

# American Vegetable Grower

JULY

1954



**DIRECTORY NUMBER**

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Vol. 2

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**VEGETABLE GROWER**

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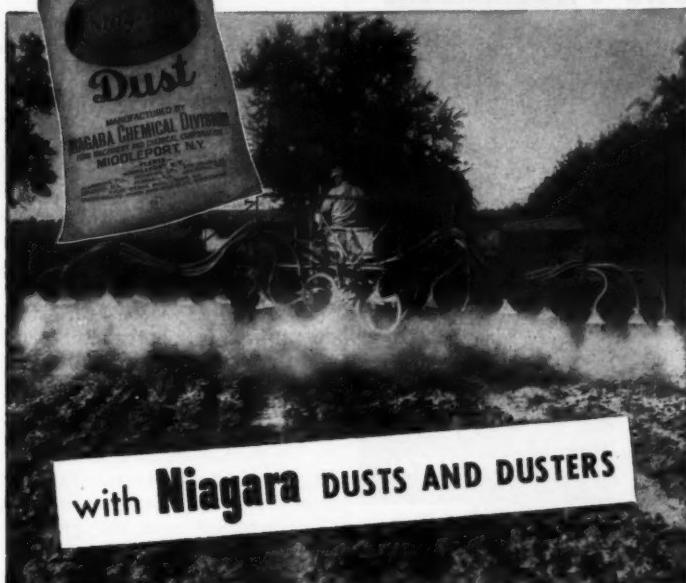
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JULY, 1954

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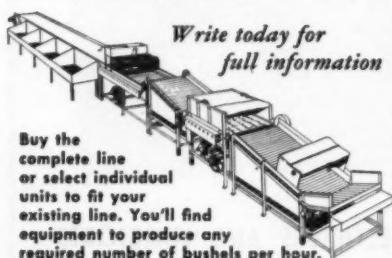
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## SOIL STERILIZATION IN GREENHOUSES

**Growers get latest news on many important  
tests during Ohio's Annual Greenhouse Day**

By ELDON S. BANTA

ANNUAL Greenhouse Vegetable Day was held at the Ohio Agricultural Experiment Station in Wooster on May 6. The 150 growers in attendance heard the latest news on greenhouse soils and fertilization, varieties, and pest control.

Dr. F. S. Howlett, head of Ohio's department of horticulture, pointed out that a temperature difference of only 10 degrees in a greenhouse soil can mean the difference between good growth of tomatoes and poor growth. In his discussion of greenhouse soils, Dr. Howlett demonstrated tests which clearly showed that steam sterilization of soils makes more nitrogen and potash available to plants.

### Sterilization Releases Elements

Dr. W. G. Martin, agronomist at the Ohio station, has been doing research on greenhouse soils. He has found that the element manganese is released in great amounts under sterilization. Often he found the element existing in sterilized soils in soluble form from 60 to 70 times the normal amount. This concentration is toxic to tomato plants.

Reports of tests with various mulching materials on tomatoes revealed that practically any mulch material will increase yields. Clover chaff produced the lowest yields when compared with strawy manure and peanut hulls. Organic matter content of soils was increased one-half to one per cent under mulches.

The mulches seemed to have little effect upon relieving the toxic effects of such elements as manganese, although plants showed a lower manganese content under mulch. Potash was found to build up in soils under continuous mulch to the extent that this element is not needed in fertilizers where heavy mulching is practiced.

Peanut hulls are the highest in potash.

Dr. J. A. Alexander discussed the tomato breeding program at the Ohio station, emphasizing the tedious work underway to produce wilt-resistant varieties. Rutgers is one of the best tomato types he has found to use in making tomato crosses. The new Ohio W-R-3 is an example of a superior variety resulting from Dr. Alexander's work.

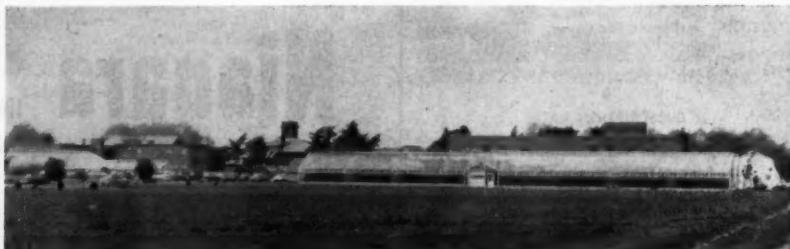
Insect control in the greenhouse is advancing rapidly, according to Dr. R. B. Neiswander's report. This station entomologist pointed out that parathion kills white flies on cucumbers in one application, and that two applications of the safer materials malathion and lindane will do the same.

Dr. H. C. Young, station plant pathologist, said the first step in disease control is careful handling of every job in the greenhouse. The bright spot in the future of plant disease control, said Dr. Young, lies in the use of antibiotics.

### Temperatures and Production

The importance of regulating day and night temperatures in the greenhouse for maximum tomato production was emphasized by Dr. E. K. Alban. Optimum temperatures seem to be a night temperature of 50° for the first six weeks and 62° for the remainder of the time. Plants grown under this temperature combination produced 12.5 pounds of fruit per plant. Plants held at 60° yielded nine pounds and those at 70° dropped to seven pounds total yield per plant.

Alban pointed out further the necessity of using a slightly higher night temperature when days are bright and a slightly lower temperature when days are cloudy. The low temperature of 50° for the first six weeks is important because it improves set on the first and second clusters.



Scene of Ohio's Annual Greenhouse Vegetable Day at Wooster which attracted 150 growers.

AMERICAN VEGETABLE GROWER

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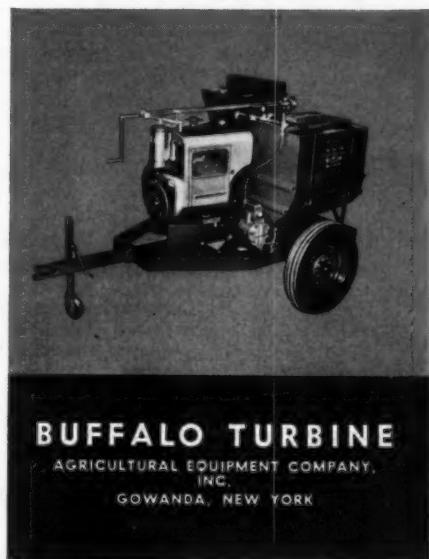
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# A BUYER'S GUIDE FOR THE VEGETABLE FARM

**T**HREE is nothing so exasperating as when you have an urgent need for equipment or supplies and cannot find what is available or where to buy it. We have that experience almost daily but from a slightly different standpoint. When readers have the problem of not knowing a source of supply they write us. Then we dig out the information and send it to them.

To simplify matters all around we have compiled what we think is a complete listing of manufacturers of equipment and supplies needed by vegetable growers. This Buyer's Guide is published in this issue. The Index to the listings of manufacturers starts on page 14.

Here is how the Index will prove of value to you. If you want to know, for example, who manufactures the new fungicide, captan, you look in the Index under captan, which will refer you to the page in the Buyer's Guide on which are listed the names and addresses of the manufacturers. Or maybe you need a topping machine. Just check the Index and you will learn on which page the manufacturers are listed.

Trade names of products are not listed in the Index or in the Buyer's Guide. If, therefore, you are looking for a source of supply of, say, Hot-kaps, which is a trade name, you will have to refer in the Index to the classification Frost Protection or Plant Protectors. Or, what might prove to be more advantageous, page through the Buyer's Guide section until you

come to the listings you want. In doing so, you may come across other products for which you have been looking.

The Buyer's Guide will also help you make wise decisions. Numerous manufacturers of a piece of equipment are listed in most instances. By simply dropping a card to each and asking for details and specifications of their products, you will have the facts upon which to make the best purchase especially suited to your vegetable growing enterprise.

We suggest, too, that you study the advertisements in the Buyer's Guide as well as in the balance of the issue, for they contain much factual information for prospective buyers.

The trend of the times is revolutionizing the vegetable industry through mechanization of cultural and harvesting operations and in merchandising. It is a time when everyone must be keyed to the tempo of fast-moving changes. The Buyer's Guide is another attempt of AMERICAN VEGETABLE GROWER to keep you up-to-date.

We request that you use your Directory Issue until we publish a new one a year from now. But since we expect to have a few growing pains until we get the Buyer's Guide into as nearly perfect shape as is humanly possible, we urge that you let us know what we have left out or how the Index and listings can be improved. We will endeavor to incorporate such changes in next year's Directory Number.

# MELONS for PROFIT



At muskmelon harvesttime the Hand packing house becomes an "assembly line" for 5,000 bushels a year. Here Allen F. Hand (right) is joined by his partner son, A. Allen Hand, in sorting. Only top quality melons receive the trademark label—an upraised hand printed in red.

ON a sandy farm that used to be a heartbreaker, Allen F. Hand and his partner son, A. Allen Hand, Greenwich, N.Y., have worked out a prosperous combination of crops that shows what patient and intelligent farming can accomplish.

Their main income is from muskmelons which are famous in the region and shipped throughout the United States. But behind the melons and other products is the farm's real workhorse—alfalfa, used in a faithful rotation program.

For example, it works in nicely with having a dairy herd, too. How do milk and melons mix? Just fine. In fact, one of Hand's best recipes for good melons is cow manure—both out in the field and in the hotbeds before setting-out time.

To appreciate how Hand has whipped poor soil, it should be realized that when his father, a retired city businessman, bought the place in 1910, he was pitted for owning "the worst farm in Washington County." He died the following year and Allen, then 18, began farming the hard way.

In the past 28 years that he and his own son have backed melons with

alfalfa, adding side crops like asparagus and squash when they fit the program, the farm has become one of the county's show places.

Supplying a roadside stand, local markets, and big-city hotels, it also expresses melons to a private list of satisfied customers who last year paid an f.o.b. price of \$7.50 per 40-pound basket of trademarked melons.

That trademark was a real inspiration. You see it on the roadside stand, on every melon—and nobody can doubt from the label that it's a Hand melon. Painted on the label is a circle enclosing an upraised red hand.

The farm totals 360 acres, including an 80-acre woodlot. It normally milks 21 registered Holsteins, and A. Allen has added a 3,000-bird flock of hens on his own. Melons lead the parade.

The partners use 100 acres in this rotation: alfalfa, three years; melons, one year; corn, one year; back to alfalfa again.

This means 20 melon acres a year, averaging half their farm income from the crop of around 5,000 bushels. In the alfalfa sod plowed under the previous fall, they produce anywhere from 150 to 500 bushels an acre, with the aid of 15 tons of cow

manure and a half ton of 5-10-10 commercial fertilizer.

It all dovetails nicely, Hand explains. The rotation gives around 140 tons alfalfa. With ensilage and grain, this feeds cattle.

The dairy herd is a topnotcher and is depended on to pay a large part of the farm's labor bills. There are three year-round hired men plus a half dozen more at melon planting and picking time.

When the market looked good, he has raised 70 tons of winter squash a year as long as he could harvest them late without breaking in on melon-picking time. They were grown on rented land almost a mile away—less trouble that way from the striped cucumber beetle.

His steadiest side income is from three acres of asparagus. For many years he also grew cucumbers. Two rows of early cukes—a July cash crop—were planted between every 15 rows of melons. Early cabbage has been another cash crop.

The program has grown through planning plus stubborn effort to make the farm go. Hand recalls grimly that he had tried rye, potatoes, Guernsey butter—and even raising cucumber seed—in efforts to make the place



Allen F. Hand holding melon seed bags to the field.

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The hotents shown in photograph on facing page are made by Germain's, Inc., Germain Products Div., 741-747 Terminal St., Los Angeles, Calif.

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Allen F. Hand gets head start by planting muskmelon seed in hotbeds in April. He is shown holding band of plants ready for transplanting to the field. In his profitable rotation scheme on sandy soil melons follow alfalfa.

All photographs by Eleanor Gilman

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Protecting transplanted melons against frost until June pays off in an early, quality crop. Workers are shown (right) covering the young plants with hotents in a section of the 20 acres that was alfalfa meadow the previous year.



Allen F. (left) has timetabled the crops for his light-soiled farm. The parade begins with early asparagus. Here his partner son, A. Allen, is ready to drive a quality load to market.

pay. Then he planted a trial acre of melons in alfalfa sod.

"They brought in \$250—more money at one time than I had yet seen off the farm," Hand says, "and despite the fact that half the crop was caught by fall frost."

There, of course, were many prob-

lems to solve. For example, to lengthen his season, he planted seeds the following year in veneer bands under glass. Results were dismal. Many plants damped off. The rest were sickly yellow. Finally, on a rainy June 10, he got tired waiting for them to put on the necessary growth and

disgustedly transplanted them. Evidently, the hotbed hadn't been ventilated properly. The melon plants jumped right up. Only a third of an acre, but the 400 hills brought in \$400. That was in 1927.

Out of all kinds of problems, Hand worked out the system used now. Here are its more obvious aspects.

Planting in 315 feet of hotbeds begins April 20—five seeds to each four-inch band filled with composted cow manure. For early melons, Hand favors Delicious.

Transplanting to fields starts about May 10. Hills are six feet apart, with marking done by one of the farm's three tractors. Hand simply sets the wheels that far apart, drives straight the first time, and follows the tracks.

When a band is unbuttoned and the ball is set in the hole, a pint of water is added from the truck's tank if weather has been dry. Each hill is thinned to two plants, and kept under a hotent till around June 1.

After Delicious, there's the main

crop—also started in hotbed—of Queen of Colorado. For a late crop, Hand sometimes tries out newer varieties, planting directly in the field from mid-May to June. Since field planting invites cutworm trouble, he starts with a dozen seeds per hill, later thinning to two plants.

If cutworms are bad, he uses the usual Paris green-bran-molasses potion to which he adds any spoiled grapefruit. The mixture is broadcast at night, 20 pounds to the acre.

A power duster and weekly applications control other pests. For cuke beetles, the Hands used one per cent rotenone, 20 to 25 pounds per acre, depending on plant size. In bad aphid years, they make up a dust—one pint of 40 per cent nicotine sulfate to 100 pounds hydrated lime. They control mildew with a copper dust and other fungus diseases with Zerlate.

Final result is the flood of melons beginning in August. They are trucked to the farm's packing house for sorting and crating. That's when the red-handed label is slapped on to proclaim a quality product. THE END

# Tuning in on MAINE'S STAR POTATO GROWER

Congressman Clifford Guy McIntire, who hails from famed Aroostook County, has an optimistic message for all potato growers

By LARSTON D. FARRAR

Washington Correspondent, *American Vegetable Grower*

REPRESENTATIVE Clifford Guy McIntire, a Republican from Maine now on Capitol Hill, is a man with whom vegetable growers in all parts of the nation should become acquainted—for several good reasons.

He has been cited by the University of Maine as an outstanding potato grower in that very famous potato state.

Congressman McIntire has been instrumental in getting potatoes included in the Section 32 fund program, thus giving the lowly spud a needed boost at a very critical time.

He (with his twin brother, Smith, who now actually operates the old home place) grows high-quality seed potatoes that are used by other potato growers in all parts of the nation, and particularly east of the Mississippi River. He has been noted for years for the quality of his seed potatoes, so much so that the McIntire name acquired prominence nationally long before he ever went to Congress.

As a sidelight, his present home is the building in which he attended grade school! He transformed the old school into a home when it became available for private purchase years ago. Few Americans are fortunate enough to spend all their lives in the schoolroom in which they first studied.

These, then, are the highlights of the career of soft-spoken, thick-set, blue-eyed, wavy-haired Mr. McIntire, but they do not, by any means, tell the whole story of his career, or why potato growers in every section of the country should listen to him when he speaks.

Clifford Guy McIntire was born May 4, 1908, as was his twin brother, Smith, of course. They, and a sister Flora, were the children of Frank G. McIntire, who was born in and destined to farm in the township of Peruham, in Aroostook County, Maine, even before the railroad had come through to that section. Frank himself

began growing potatoes on the first few acres of land he cleared with his own hands, selling the spuds to starch factories at first, and later shipping table stock when the railroad came in.

As a matter of fact, Aroostook County was no more noted for potato growing in those days than any other county in the nation. But Clifford McIntire's life more or less parallels the

niques change, with planting and harvesting being mechanized more and more with every passing decade. His father planted potatoes by hand and dug them by hand. Clifford cannot remember the time when he had to do either of these things without machinery.

He has seen the per-acre yield increase greatly, too, due both to the favorable soil and climate and to improved seed stock, fertilization, and other growing techniques. He is proud that, on his acres, he has averaged as high as 500 bushels to an acre. It is easy to compute the gross yield on 200 acres with that sort of a yield. Farmers in few other areas equal or surpass his potato growing prowess or that of many other Aroostook growers.



Congressman McIntire, one of the nation's best potato growers, is flanked by his son, Blynn, 19, and Everett C. Cunningham, vocational agricultural teacher at Washburn (Maine) High School since 1923. Mr. Cunningham taught farm subjects both to the Congressman and to Blynn, who is now majoring in farm subjects at the University of Maine, located at Orono.

development of the county as a potato-growing center, and, during virtually every year of his life, the amount of acreage devoted to potato growing has increased in that area. Today Maine has 156,000 acres planted in potatoes, of which 85 percent is in Aroostook County.

Too, through the years, Clifford McIntire has seen the growing tech-

After attending elementary and high school in Aroostook County, both Clifford and his twin brother attended the University of Maine, majoring in agronomy. They lived on the farm for a long while, working with their father, but in 1933 Clifford became associated with the Federal Land Bank. He worked for that organization until 1947, at which time he became as-

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sistant general manager of the Maine Potato Growers, Inc., one of the largest co-operatives in the United States, with headquarters at Presque Isle.

The McIntire family, which includes a daughter and a son, was living right well and enjoying life as potato growers *par excellence*, without dreams of political service, until the death of the Honorable Frank Fellows, who had ably represented Maine's staunchly Republican Third District in Congress for several decades, in the summer of 1951. Clifford still isn't quite sure how he became so involved personally in the race, but it was the consensus among the farmers of Aroostook that some good potato man ought to go to Washington, so he put his hat in the ring against seven opponents for the Republican nomination. He won handily, and he took office for the first time on January 8, 1952.

"I've never regretted my deciding to come to Washington," he told the writer recently. "While I have no other political ambitions, I still want to stay in Congress for a few years, because I am sincerely desirous of contributing to agriculture and the potato industry whatever service my background and experience will permit."

#### Agricultural Committee Member

He believes he was "extremely fortunate" to get a place on the coveted House Committee on Agriculture almost as soon as he came to Washington. Because his life had been spent in farming, he felt that he could render his maximum service to the nation on that committee. Time has shown that this is indeed the case. The name of McIntire has become well and favorably known in the office of the Secretary of Agriculture, as well as around Capitol Hill, where the Congressman attends committee meetings as regularly as he once fertilized his potato crops, and cultivates knowledge as assiduously as he did the spuds in Maine.

"The two big cultivation problems for Maine potato growers always have been the thick, heavy vines and the free stones in the soil," he points out. "We have been picking up rocks for decades, and likely will be for years to come. We have learned how to thin the heavy vines with chemicals, but they still are a problem.

"Our growing season is very short. It begins in June and potatoes must be out of the ground by October 10. Maine grows potatoes of all varieties, shapes, sizes, and taste, but we stick generally to the white potato varieties. Needless to say, most Maine growers are as proud of their products as they can be."

(Continued on page 12)

## Today's shoppers buy by eye



### NEW WAX-SHINE

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steps up eye appeal,  
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Improve the "eye-appeal" of your produce and sales increase automatically.

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Wax-Shine is an odorless, tasteless wax product that adds effective sales appeal to your produce. Treated with Wax-Shine, your choice vegetables grade in the *fancy* class... and shoppers gladly pay a premium price. Wax-Shine also protects freshness during shipment, storage and display. It reduces shrinkage and increases store life. Thus, Wax-Shine offers many money-saving and profit-making advantages!

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## STAR GROWER

(Continued from page 11)

He admits readily that Maine has suffered in the past year or so, due to the drop in the potato market. He does not minimize the financial losses in his own Aroostook County, where farmers "really have taken a severe licking," in his own words.

#### Free Market for Potatoes

But aside from Section 32 purchases, and perhaps marketing agreements, he is strongly in favor of a free market in potatoes, and in other farm crops.

"Except in periods of great distress, there is absolutely no reason for Uncle Sam to be interfering with the workings of the free market," he says firmly. "I think that my program has been in that direction, and I am sure it will continue to be."

While minimizing the role of government, he thinks there is plenty that farmers ought to do, individually and collectively, to improve the potato situation.

"The challenge today is in merchandising," he said. "It lies in the processed fields, in the fresh market, and in better handling of our product from beginning to end. It also lies in better handling of production patterns, so that markets will be satisfied uniformly by potatoes from various areas."

#### Processed Market Holds Promise

He sees increased hope for potato growers from increased processes which use potatoes—chips, frozen french fries, and the like. As he pointed out, few prophets would dare have predicted, two decades ago, the growth of the potato chip market to its present size. And few other prophets, only a few short years ago, would have predicted the promise that the future holds for frozen french fries and other potato products.

All in all, a few conversations with Representative McIntire offer plenty of optimism to the potato growers of the nation. They can be certain, too, that in him they have an intelligent, informed, aware spokesman in a strategic spot in the government. If anybody can get to the heart of a potato problem, he is that man! THE END

Send 50 cents for plans of a roadside market, conveniently located so you can take care of customers quickly and easily. Plans include directions for movable racks to make it possible to maintain an attractive stand in accordance with supply and demand. Send remittance to AMERICAN VEGETABLE GROWER, Willoughby, Ohio.

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## CALENDAR OF COMING MEETINGS & EXHIBITS

July 13 (10:00 AM)—Indiana State Vegetable Growers Association summer meeting, Purdue University, Lafayette.—F. C. Gaylord, Sec'y Dept. of Hort., Lafayette.

July 20—Southern Minnesota Vegetable Growers tour and field day, Hollandale.—Orrin C. Turnquist, Sec'y, MVGA, St. Paul 1.

July 22 (1:00 PM)—Muck Crops Field Day, Muck Farm, Walkerton, Ind.—F. C. Gaylord, Dept. of Hort., Lafayette.

Aug. 5—Empire State Potato Club, Inc., annual summer field day, William Meyer Farm, Gainesville, Wyoming County, N. Y.—Philip Luke, Trade Show Mgr., RFD, Fulton, N. Y.

Aug. 10-12—Ohio Pesticide Institute summer tour, beginning at Wooster and finishing in northwestern Ohio. Dinner on the 10th will commemorate 100 years of entomology.—J. D. Wilson, Sec'y, c/o Ohio Agr. Exp. Sta., Wooster.

Aug. 23-27—Centennial of Farm Mechanization, Michigan State College, East Lansing.—A. W. Farrall, Head, Agr. Engng. Dept., Mich. State College, East Lansing.

Sept. 23-25—Texas Citrus and Vegetable Growers and Shippers, Inc., annual meeting, Baker and Adolphus hotels, Dallas.—Austin E. Anson Exe. Mgr., 306 E. Jackson, Harlingen.

Sept. 28-30—Florida Fruit and Vegetable Association annual meeting, Sans Souci Hotel, Miami Beach. Association headquarters: 4401 E. Colonial Drive, Orlando.

Oct. 3-5—Produce Packaging Association 4th annual conference and exposition, The Shoreham Hotel, Washington, D. C.—Robt. A. Cooper, Exec. Sec'y, 500 Fifth Ave., New York 36, N. Y.

Nov. 2-4—Western Growers Association Annual meeting, Hotel del Coronado, Coronado, Calif. C. B. Moore, Exe. Vice-Pres., 606 South Hill St., Los Angeles 14.

Nov. 15-17—American Veneer Package Association, Park Sheraton Hotel, New York City. Association headquarters, 1225½ North Orange Ave., Orlando, Fla.

Nov. 29-Dec. 2—Vegetable Growers Association of America annual convention, Syracuse, N. Y.—Joseph S. Shelly, Sec'y, 528 Mills Bldg., Washington, D. C.

Dec. 5-9—National Junior Vegetable Growers Association 20th annual convention Cincinnati, Ohio.—Grant B. Snyder, Adult Advisor, Univ. of Mass., Amherst.

**D**r. Raymond Sheldrake, Jr., vegetable specialist with the University of Georgia agricultural extension service since 1952, recently resigned his position to accept a post at Cornell University, Ithaca, N.Y. He began his new duties in the department of vegetable crops at Cornell on July 1.



R. Sheldrake, Jr.

Sheldrake, after three years of army service, entered Rutgers University where in 1949 he received his Bachelor of Science degree. In 1950 he received his Master of Science degree at Cornell and in 1952 his Doctor of Philosophy degree. While at Cornell he worked as research assistant in the New York State Experiment Station.

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It's true. Actual cost figures kept by one Ohio grower show that the John Bean Potato Harvester saved him almost \$100 a day in labor costs alone. With 100 acres of potatoes his total labor savings for the 40-day harvesting season were more than enough to pay for the John Bean Potato Harvester itself. All this in just one season. But dollar savings through reduced labor are not all you get from a John Bean Potato Harvester . . .

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Crop yield can be increased by as much as 10% because the John Bean Potato Harvester gets all the potatoes. Hidden potatoes that are easily overlooked by hand pickers are delivered directly to the elevating conveyor.

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The conveyor belts handle potatoes gently and eliminate much of the loose dirt. Then the exclusive Bean system of mechanical separation removes stones and trash. Careful tests show that with a yield of 300 bushels per acre you will store about 138 pounds less dirt and trash per acre when you use a Bean Potato Harvester.



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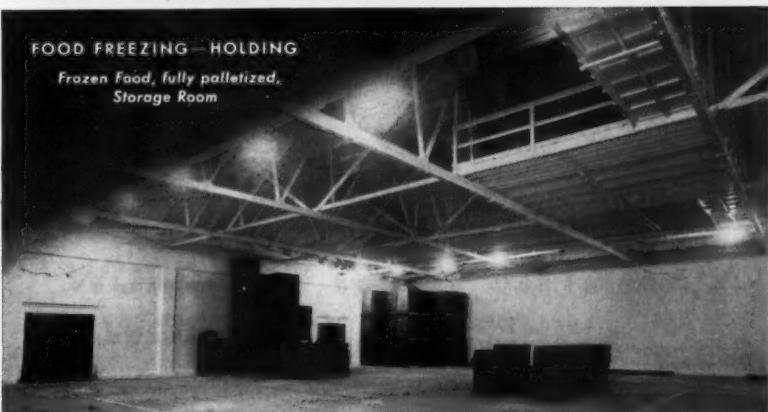
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Chipman Chemical Co., Inc., Bound Brook, N. J.  
Corona Chemical Div., Pittsburgh Plate Glass Co., Milwaukee, Wis.; Moorestown, N. J.  
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Chipman Chemical Co., Inc., Bound Brook, N. J.  
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Black Leaf Prod. Div., Virginia-Carolina Chem. Corp., Richmond, Va.  
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 Corona Chemical Div., Pittsburgh Plate Glass Co., Milwaukee, Wis.; Moorestown, N. J.  
 Chipman Chemical Co., Inc., Bound Brook, N. J.  
 Florida Agric. Supply Co., Div. of Wilson & Toomer Fertilizer Co., Jacksonville, Fla.  
 Geigy Agricultural Chemicals, 89 Barclay St., N. Y. 8, N. Y.  
 General Chemical Div., Allied Chemical & Dye Corp., 40 Rector St., N. Y. 6, N. Y.  
 Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.  
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 Central Chemical Corp., Hagerstown, Md.  
 Chipman Chemical Co., Inc., Bound Brook, N. J.  
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 E. I. du Pont de Nemours & Co., Inc., Grasselli Chemicals Dept., Wilmington, Del.  
 Eston Chemicals Div., American Potash & Chemical Corp., Los Angeles 23, Calif.  
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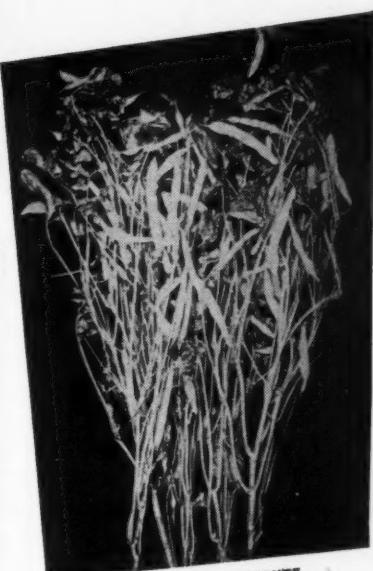
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Geigy Agricultural Chemicals, 89 Barclay St., N. Y. 8, N. Y.  
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Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.  
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### HEPTACHLOR

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Central Chemical Corp., Hagerstown, Md.  
Chipman Chemical Co., Inc., Bound Brook, N. J.  
Geigy Agricultural Chemicals, 89 Barclay St., N. Y. 8, N. Y.  
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.  
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Geigy Agricultural Chemicals, 89 Barclay St., N. Y. 8, N. Y.  
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Corona Chemical Div., Pittsburgh Plate Glass Co., Milwaukee, Wis.; Moorestown, N. J.  
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General Chemical Div., Allied Chem. & Dye Corp., 40 Rector St., N. Y. 6, N. Y.  
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E. I. du Pont de Nemours & Co., Inc., Grasselli Chemicals Dept., Wilmington, Del.  
Geigy Agricultural Chemicals, 89 Barclay St., N. Y. 8, N. Y.  
General Chemical Div., Allied Chem. & Dye Corp., 40 Rector St., N. Y. 6, N. Y.  
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.  
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Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.  
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Stauffer Chemical Co., 636 California St., San Francisco, Calif.  
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Eaton Chemicals Div., American Potash & Chemical Corp., Los Angeles 23, Calif.  
Geigy Agricultural Chemicals, 89 Barclay St., N. Y. 8, N. Y.  
General Chemical Div., Allied Chem. & Dye Corp., 40 Rector St., N. Y. 6, N. Y.  
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.  
Miller Products Co., Portland 1, Ore.  
Monsanto Chemical Co., St. Louis 4, Mo.  
Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.  
Planetary Chemical Co., Creve Coeur, Mo.  
Sherwin-Williams Co., 101 Prospect Ave., N. W., Cleveland 1, Ohio.  
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## TOXAPHENE

Agicide, Inc., Racine, Wis.  
Black Leaf Prod. Div., Virginia-Carolina Chem. Corp., Richmond, Va.  
Central Chemical Corp., Hagerstown, Md.  
Chipman Chemical Co., Inc., Bound Brook, N. J.  
Corona Chemical Div., Pittsburgh Plate Glass Co., Milwaukee, Wis.; Moorestown, N. J.  
Eaton Chemicals Div., American Potash & Chemical Corp., Los Angeles 23, Calif.  
Geigy Agricultural Chemicals, 89 Barclay St., N. Y. 8, N. Y.  
General Chemical Div., Allied Chem. & Dye Corp., 40 Rector St., N. Y. 6, N. Y.  
Hercules Powder Co., Wilmington, Del.  
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.  
Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.  
Stauffer Chemical Co., 380 Madison Ave., N. Y. 17, N. Y.; 636 California St., San Francisco, Calif.  
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California Spray-Chemical Corp., Richmond, Calif.; Elizabeth, N. J.  
Stauffer Chemical Co., 380 Madison Ave., N. Y. 17, N. Y.; 636 California St., San Francisco, Calif.

## CHLORANIL

California Spray-Chemical Corp., Richmond, Calif.; Elizabeth, N. J.  
Central Chemical Corp., Hagerstown, Md.  
Geigy Agricultural Chemicals, 89 Barclay St., N. Y. 8, N. Y.  
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On many other crops, "Marlate" controls such insects as asparagus beetles, cabbage worms, blister beetles, flea beetles.



*On all chemicals always follow directions for application. Where warning or caution statements on use of the product are given, read them carefully.*

BETTER THINGS FOR BETTER LIVING . . . THROUGH CHEMISTRY



Farm to Live—Live to Farm Insurance on  
records of 9,623,441  
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# *Buying a Pickup truck?* Here's how to get the most for you!

You don't buy a Pickup like you'd buy a loaf of bread or a tube of toothpaste!

A Pickup truck is no less a business investment than a factory lathe or a farm tractor. You buy a Pickup in the same way you'd make an investment.

The price of an investment is important! But the low price of a new Ford Pickup truck, for instance, is not the only reason why it gives you the most for your money. Nor is its high trade-in value as a used truck. And Ford Trucks certainly hold their value well over the years, as you can verify instantly, by checking the want ads in your local newspaper.

The important thing about a new Ford Pickup is that it gives you the biggest return on your investment *in the big ways* that truck savings can be made.

For instance, in six years' time, the average Pickup owner invests twice as much in gas, oil, repairs and maintenance, as he originally pays for his truck. And it

is in the area of low running costs that the Ford Pickup begins to earn its rating as a "blue chip" investment. America's most

Only the Ford Pickup offers a choice of two ultra-modern, LOW-FRICTION, high-compression engines... Ford's DRIVE a new 130-h.p. V-8 and a new 115-h.p. Six. The short stroke design of these engines permits them to develop more horsepower per cubic inch of displacement... wider . . . shorter piston stroke means less engine wear, longer life, less time in the shop, more time on the job.

Also, in six years' time, the average Pickup owner invests ten times as much in drivers' wages, license fees, insurance and other "fixed" costs. But these costs are "fixed" only in an accounting sense. They can be cut by See your Ford time-saving delivery that spreads "fixed" costs over more deliveries . . . cuts cost per delivery.

Ford's time-saving characteristics are unequalled by any other Pickup. Power is an obvious time-saver. And Ford offers one of the most powerful engines in



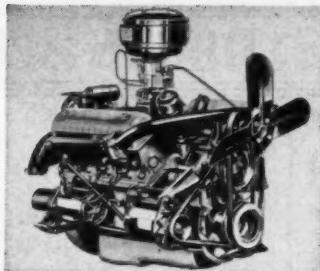
Live—Live to Work! Insurance experts recently checked license registration records of 9,623,445 trucks involving all 5 leading makes... again proved Ford Trucks last longer. This is convincing evidence of rugged construction in Fords like the 6½-ft. Pickup shown.

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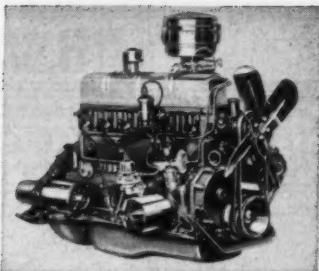
Ford Pickup Pickup. But just as important are the facilities of investment. America's most comfortable truck cab that help driver save time... help him do a better job. of two ultra engines... Ford's DRIVERIZED Cab offers more visibility, The shorthands and seat comfort than any other standard seats them to it. It offers more glass area than any other standard of displacement... wider opening doors, wider seat, exclusive less sag shock snubbers and non-sag seat springs among wear, longer, notable features.

the job. In the big ways to save... in time-savings and low pickup ownership costs... in every way to save, including low license costs, low price and high trade-in value... the new Ford costs are up for '54 brings you a big return on your investment. can be cut by seeing your Ford Dealer, or write: Ford Division, Ford Motor Co., Dept. T-66, Box 658, Dearborn, Mich.

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MORE TRUCK FOR YOUR MONEY



One of the most powerful engines in any Pickup... Ford's new 130-h.p. Power King V-8. Mighty concentration of power per cubic inch of displacement, too, for greater gas-saving economy.



Most efficient Pickup Six... Ford's new 115-h.p. Cost Clipper Six. Gas-saving, short-stroke, high-compression, overhead valve, deep-block design as in all five Ford Truck engines for '54.



Only Ford offers Power Braking in a Pickup truck, at worth-while extra cost. Power brakes make stopping up to 25% easier. Pressure needed to stop won't break an ordinary light bulb.



DRIVERIZED Cab! Only Ford has it! Big enough for 3 men. Wider opening doors, wider seat than any other truck cab. New woven plastic upholstery "breathes" like cloth for cooler seat.



More glass area than in any other standard Pickup Cab. Curved one-piece windshield is widest in any cab. Back window is over 4 ft. wide. Visibility unlimited for safer driving, easier handling.



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FORDOMATIC saves time in stop-go work, cushions drive-line shocks, cuts maintenance. Ideal for off-road work because engine doesn't stall at low wheel speeds. Available at extra cost.



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# SPRAYS, DUSTS & FERTILIZERS

## FUNGICIDES

### COPPER COMPOUNDS

Agicide, Inc., Racine, Wis.  
 California Spray-Chemical Corp., Richmond, Calif.; Elizabeth, N. J.  
 Central Chemical Corp., Hagerstown, Md.  
 Chapman Chemical Co., Inc., Bound Brook, N. J.  
 Corona Chemical Div., Pittsburgh Plate Glass Co., Milwaukee, Wis.; Moorestown, N. J.  
 E. I. du Pont de Nemours & Co., Grasselli Chemical Dept., Wilmington, Del.  
 Geigy Agricultural Chemicals, 89 Barclay St., N. Y., 8, N. Y.  
 General Chemical Div., Allied Chem. & Dye Corp., 40 Rector St., N. Y., 6, N. Y.  
 Harshaw Chemical Co., 1945 E. 97th St., Cleveland 6, Ohio  
 Hercules Powder Co., Inc., Wilmington, Del.  
 Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.  
 Miller Products Co., Portland 1, Ore.  
 Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.  
 Pennsylvania Salt Mfg. Co. of Washington, Tacoma 1, Wash.  
 Phelps Dodge Refining Corp., 40 Wall St., N. Y., N. Y.  
 Philipp Bros. Chemicals, Inc., 37 Wall St., N. Y., 5, N. Y.  
 B. G. Pratt Co., Hackensack, N. J.  
 Rohm & Haas Co., 222 W. Washington Sq., Philadelphia 5, Pa.  
 Sherwin-Williams Co., 101 Prospect Ave., N. W., Cleveland 1, Ohio  
 Stauffer Chemical Co., 380 Madison Ave., N. Y., 17, N. Y. and 636 California St., San Francisco, Calif.  
 Swift & Co., Plant Food Div., Los Angeles, Calif.; Winter Haven, Fla.  
 Tennessee Corp., Atlanta 1, Ga.  
 Woolfolk Chemical Works, Ltd., Ft. Valley, Ga.

### COPPER ZINC CHROMATE

Carbide & Carbon Chemicals Co., Div. of Union Carbide & Carbon Corp., 30 E. 42 St., N. Y., 17, N. Y.

### DICHLONE

Black Leaf Prod. Div., Virginia-Carolina Chem. Corp., Richmond, Va.  
 California Spray-Chemical Corp., Richmond, Calif.; Elizabeth, N. J.  
 Chapman Chemical Co., Inc., Bound Brook, N. J.  
 Geigy Agricultural Chemicals, 89 Barclay St., N. Y., 8, N. Y.  
 General Chemical Div., Allied Chem. & Dye Corp., 40 Rector St., N. Y., 6, N. Y.  
 Naugatuck Chemical Div., U. S. Rubber Co., Naugatuck, Conn.  
 Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.  
 Pennsylvania Salt Mfg. Co. of Washington, Tacoma 1, Wash.  
 Stauffer Chemical Co., 380 Madison Ave., N. Y., 17, N. Y.

### FERBAM

Black Leaf Prod. Div., Virginia-Carolina Chem. Corp., Richmond, Va.  
 California Spray-Chemical Corp., Richmond, Calif.; Elizabeth, N. J.  
 Central Chemical Corp., Hagerstown, Md.  
 Chapman Chemical Co., Inc., Bound Brook, N. J.  
 Corona Chemical Div., Pittsburgh Plate Glass Co., Milwaukee, Wis.; Moorestown, N. J.  
 E. I. du Pont de Nemours & Co., Inc., Grasselli Chemicals Dept., Wilmington, Del.  
 Geigy Agricultural Chemicals, 89 Barclay St., N. Y., 8, N. Y.  
 General Chemical Div., Allied Chem. & Dye Corp., 40 Rector St., N. Y., 6, N. Y.  
 B. F. Goodrich Chemical Co., 2060 E. 9th St., Cleveland 15, Ohio  
 Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.  
 Miller Products Co., Portland 1, Ore.  
 Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.  
 Pennsylvania Salt Mfg. Co. of Washington, Tacoma 1, Wash.  
 Thompson-Hayward Chemical Co., 2915 Southwest Blvd., Kansas City, Mo.

### MANEB

Central Chemical Corp., Hagerstown, Md.  
 E. I. du Pont de Nemours & Co., Inc., Grasselli Chemicals Dept., Wilmington, Del.

## NABAM

Rohm & Haas Co., 222 W. Washington Sq., Philadelphia 5, Pa.

### ORGANO-MERCURI

California Spray-Chemical Corp., Richmond, Calif.; Elizabeth, N. J.  
 Central Chemical Corp., Hagerstown, Md.  
 Chemley Products Co., 14 E Jackson Blvd., Chicago 4, Ill.  
 Corona Chemical Div., Pittsburgh Plate Glass Co., Milwaukee, Wis.; Moorestown, N. J.  
 Galloway Chemical Corp., 801 2nd Ave., N. Y., 17, N. Y.  
 General Chemical Div., Allied Chem. & Dye Corp., 40 Rector St., N. Y., 6, N. Y.  
 Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.  
 Stauffer Chemical Co., 380 Madison Ave., N. Y., 17, N. Y.; 636 California St., San Francisco, Calif.

### Sweeten Soil & Correct Magnesium Deficiency with

### GIBSONBURG FERTLINE & FERTLSTONE

### High Magnesium Lime

### THE GIBSONBURG LIME PRODUCTS COMPANY

GIBSONBURG, OHIO

### SULFURS

Black Leaf Prod. Div., Virginia-Carolina Chem. Corp., Richmond, Va.  
 California Spray-Chemical Corp., Richmond, Calif.; Elizabeth, N. J.  
 Central Chemical Corp., Hagerstown, Md.  
 Chapman Chemical Co., Inc., Bound Brook, N. J.  
 Corona Chemical Div., Pittsburgh Plate Glass Co., Milwaukee, Wis.; Moorestown, N. J.  
 Dow Chemical Co., Midland, Mich.  
 E. I. du Pont de Nemours & Co., Inc., Grasselli Chemicals Dept., Wilmington, Del.  
 E. I. du Pont de Nemours & Co., Inc., R. & H. Chemicals Dept., Pacific Div., El Monte, Calif.  
 General Chemical Div., Allied Chem. & Dye Corp., 40 Rector St., N. Y., 6, N. Y.  
 Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore, Md.  
 Miller Products Co., Portland 1, Ore.  
 Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.  
 B. G. Pratt Co., Hackensack, N. J.  
 Sherwin-Williams Co., 101 Prospect Ave., N. W., Cleveland 1, Ohio  
 Stauffer Chemical Co., 380 Madison Ave., N. Y., 17, N. Y.; 636 California St., San Francisco, Calif.  
 Swift & Co., Plant Food Division, Winter Haven, Fla.  
 Tennessee Corp., Atlanta 1, Ga.  
 Woolfolk Chemical Works, Ltd., Ft. Valley, Ga.

### ZINEB

Agicide, Inc., Racine, Wis.  
 California Spray-Chemical Corp., Richmond, Calif.; Elizabeth, N. J.  
 Central Chemical Corp., Hagerstown, Md.  
 E. I. du Pont de Nemours & Co., Inc., Grasselli Chemicals Dept., Wilmington, Del.  
 Geigy Agricultural Chemicals, 89 Barclay St., N. Y., 8, N. Y.  
 Miller Products Co., Portland 1, Ore.  
 Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.  
 Thompson-Hayward Chemical Co., 2915 Southwest Blvd., Kansas City, Mo.

### ZIRAM

Black Leaf Prod. Div., Virginia-Carolina Chem. Corp., Richmond, Va.  
 California Spray-Chemical Corp., Richmond, Calif.; Elizabeth, N. J.  
 Central Chemical Corp., Hagerstown, Md.  
 Corona Chemical Div., Pittsburgh Plate Glass Co., Milwaukee, Wis.; Moorestown, N. J.  
 E. I. du Pont de Nemours & Co., Inc., Grasselli Chemicals Dept., Wilmington, Del.  
 Geigy Agricultural Chemicals, 89 Barclay St., N. Y., 8, N. Y.  
 General Chemical Div., Allied Chem. & Dye Corp., 40 Rector St., N. Y., 6, N. Y.  
 B. F. Goodrich Chemical Co., 2060 E. 9th St., Cleveland 15, Ohio  
 Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.  
 Miller Products Co., Portland 1, Ore.  
 Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.  
 Niagard Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.

## FERTILIZERS

### AGRICULTURAL LIME

Benson-Maclean, Bridgeton, Ind.  
 Central Chemical Corp., Hagerstown, Md.  
 Gibsonburg Lime Prod. Co., Gibsonburg, Ohio  
 Marble Cliff Quarries Co., Columbus, Ohio  
 National Gypsum Co., Buffalo, N. Y.  
 Ohio Hydrate & Supply Co., Woodville, Ohio  
 Philipp Brothers Chemicals, Inc., 37 Wall St., N. Y., 5, N. Y.  
 Scioto Lime & Stone Co., Delaware, Ohio  
 United States Gypsum Co., 300 W. Adams St., Chicago 6, Ill.  
 Warner Co., Bellefonte Div., Bellefonte, Pa.  
 Woodville Lime Products Co., Toledo, Ohio

### AMMONIUM NITRATE

American Cyanamid Co., Agri. Chemicals Div., 30 Rockefeller Plaza, N. Y., 20, N. Y.  
 Consolidated Mining & Smelting Co., 506 Marine Bldg., Vancouver, B. C., Canada  
 Harshaw Chemical Co., 1945 E. 97th St., Cleveland 6, Ohio  
 Spencer Chemical Co., Dwight Bldg., Kansas City 6, Mo.

### ANHYDROUS AMMONIA

Matheson Chemical Corp., Matheson Agr. Chem. Div., Baltimore, Md.  
 Nitrogen Div., Allied Chemical & Dye Corp., 40 Rector St., N. Y., 6, N. Y.  
 Shell Chemical Corp., 50 W. 50th St., N. Y., 20, N. Y.

### BORAX

American Potash & Chemical Corp., 122 E. 42nd St., N. Y., 17, N. Y.  
 Central Chemical Corp., Hagerstown, Md.  
 Harshaw Chemical Co., 1945 E. 97th St., Cleveland 6, Ohio  
 Miller Products Co., Portland 1, Ore.  
 Pacific Coast Borax Co., 630 Shatto Place, Los Angeles 5, Calif.  
 Philipp Brothers Chemicals, Inc., 37 Wall St., N. Y., 5, N. Y.  
 Stauffer Chemical Co., 380 Madison Ave., N. Y., 17, N. Y.; 636 California St., San Francisco, Calif.

### CALCIUM CYANAMIDE

American Cyanamid Co., Agri. Chemicals Div., 30 Rockefeller Plaza, N. Y., 20, N. Y.

### COPPER SULFATE

Phelps Dodge Refining Corp., 40 Wall St., N. Y., 5, N. Y.; 230 N. Michigan Ave., Chicago 1, Ill.

### FLORIDA NATURAL PHOSPHATE

American Cyanamid Co., Agri. Chemicals Div., 30 Rockefeller Plaza, N. Y., 20, N. Y.  
 Benson-Maclean, Bridgeton, Ind.  
 Black Leaf Prod. Div., Virginia-Carolina Chem. Corp., Richmond, Va.

### FLORIDA PHOSPHATE ROCK

American Agric. Chemical Co., Church St., New York 7, N. Y.  
 American Cyanamid Co., Agri. Chemicals Div., 30 Rockefeller Plaza, N. Y., 20, N. Y.  
 Benson-Maclean, Bridgeton, Ind.  
 International Minerals & Chemicals Corp., 20 N. Wacker Dr., Chicago 6, Ill.

### GYPSUM

National Gypsum Co., Agr. Dept., York, Pa.  
 United States Gypsum Co., 300 W. Adams St., Chicago 6, Ill.  
 Whittaker Clark & Daniels, Inc., 260 W. Broadway, New York 13, N. Y.

### MAGNESIUM SULFATE

Central Chemical Corp., Hagerstown, Md.  
 Dow Chemical Co., Midland, Mich.  
 E. I. du Pont de Nemours & Co., Inc., Grasselli Chemicals Dept., Wilmington, Del.  
 General Chemical Div., Allied Chem. & Dye Corp., 40 Rector St., N. Y., 6, N. Y.  
 James Good, Inc., Philadelphia 25, Pa.  
 Harshaw Chemical Co., 1945 E. 97th St., Cleveland 6, Ohio

### AMERICAN VEGETABLE GROWER

J. C. Baker  
 Carus Chemical  
 Central Chemical  
 E. I. du Pont de Nemours & Co.  
 Eastman Chemical  
 Harshaw Chemical  
 6, Ohio  
 Merck & Co.  
 Miller Chemical  
 St., Baltic  
 Tennessee C.

Chilean Nitro  
 Broadway  
 Barrett Div.  
 Rector St.  
 Chilean Nitro  
 Broadway  
 Philipp Bros.  
 5, N. Y.  
 Smith Agric.  
 Ave., Col.  
 Swift & Co.,

Grace Chem.  
 Bldg., Me.  
 Nitrogen  
 40 Rector

J. N. Bray, S.  
 American Po.  
 St., N. Y.  
 International  
 Wacker Dr.  
 Philipp Bros.  
 5, N. Y.  
 United States  
 N. Y., 20, N.

American Cyanamid Co., Agri. Chemicals Div., 30 Rockefeller Plaza, N. Y., 20, N. Y.  
 Benson-Maclean, Bridgeton, Ind.  
 Black Leaf Prod. Div., Virginia-Carolina Chem. Corp., Richmond, Va.

LaMotte Chem.  
 Sudbury Lab.

SPECTO  
 National Spec.  
 Ave., Cleve.  
 SL  
 American Cyc.  
 Rockefeller  
 Benson-Maclean  
 California Sp.  
 Elizabeth,  
 B. F. Good.  
 Cleveland  
 Monsanto Ch.  
 Niagara Ch.  
 cal Corp.,  
 Stern's Nurse

SL

# SPRAYS, DUSTS & FERTILIZERS

## FERTILIZERS

### MANGANESE SULFATE

J. C. Baker Chemical Co., Phillipsburg, N. J.  
 Carus Chemical Co., La Salle, Ill.  
 Central Chemical Corp., Hagerstown, Md.  
 E. I. du Pont de Nemours & Co., Inc., Grasselli Chem. Dept., Wilmington, Del.  
 Eastman Chemical Products, Inc., Kingsport, Tenn.  
 Harshaw Chemical Co., 1945 E. 97th St., Cleveland 6, Ohio  
 Merck & Co., Inc., Rahway, N. J.  
 Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.  
 Tennessee Corp., Atlanta 1, Ga.

### NITRATE OF POTASH

Chilean Nitrate Educational Bureau, Inc., 120 Broadway, N. Y. 5, N. Y.

### NITRATE OF SODA

Barrett Div., Allied Chemical & Dye Corp., 40 Rector St., N. Y. 6, N. Y.  
 Chilean Nitrate Educational Bureau, Inc., 120 Broadway, N. Y. 5, N. Y.  
 Philipp Bros. Chemicals, Inc., 37 Wall St., N. Y. 5, N. Y.  
 Smith Agricultural Chemical Co., 618 N. Champion Ave., Columbus 16, Ohio  
 Swift & Co., Plant Food Div., Chicago 9, Ill.

### NITROGEN SOLUTIONS

Grace Chemical Co., Union Planters Nat'l Bank Bldg., Memphis 1, Tenn.  
 Nitrogen Division, Allied Chemical & Dye Corp., 40 Rector St., N. Y. 6, N. Y.

### PLANT TESTING KIT

J. N. Bray, 512 W. Washington St., Urbana, Ill.

### POTASH SALTS

American Potash & Chemical Corp., 122 E. 42nd St., N. Y. 17, N. Y.  
 International Minerals & Chem. Corp., 20 N. Wacker Dr., Chicago 6, Ill.  
 Philipp Bros. Chemicals, Inc., 37 Wall St., N. Y. 5, N. Y.  
 United States Potash Co., 30 Rockefeller Plaza, N. Y. 20, N. Y.

### SOIL CONDITIONERS

American Cyanamid Co., Agr. Chemicals Div., 30 Rockefeller Plaza, N. Y. 20, N. Y.  
 Benson-Maclean, Bridgeton, Ind.  
 California Spray-Chemical Corp., Richmond, Calif.; Elizabeth, N. J.  
 B. F. Goodrich Chemical Co., 2060 E. 9th St., Cleveland 15, Ohio  
 Monsanto Chemical Co., St. Louis 4, Mo.  
 Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.  
 Stern's Nurseries, Geneva, N. Y.

### SOIL TESTING OUTFITS

LaMotte Chemical Co., Towson 4, Md.  
 Sudbury Laboratory, S. Sudbury, Mass.

### SPECTROGRAPHIC LEAF ANALYSIS

National Spectrographic Sales Corp., 6300 Euclid Ave., Cleveland 3, Ohio

### SULFATE OF AMMONIA

American Cyanamid Co., Agr. Chemicals Div., 30 Rockefeller Plaza, N. Y. 20, N. Y.  
 Benson-Maclean, Bridgeton, Ind.  
 Central Chemical Corp., Hagerstown, Md.  
 Consolidated Mining & Smelting Co., 506 Marine Bldg., Vancouver, B. C., Canada  
 DeBardeleben Coal Corp., Birmingham, Ala.  
 Miller Products Co., Portland 1, Ore.  
 Philipp Bros. Chemicals, Inc., 37 Wall St., N. Y. 5, N. Y.  
 Shell Chemical Corp., 50 W. 50th St., N. Y. 20, N. Y.  
 Smith Agricultural Chem. Co., 618 N. Champion Ave., Columbus 16, Ohio  
 Solvay Sales Div., 40 Rector St., N. Y. 6, N. Y.

### SULFUR

California Spray-Chemical Corp., Richmond, Calif.; Elizabeth, N. J.  
 Central Chemical Corp., Hagerstown, Md.  
 Corona Chemical Div., Pittsburgh Plate Glass Co., Milwaukee, Wis.; Moorestown, N. J.  
 Miller Chem. & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.  
 Miller Products Co., Portland 1, Ore.  
 Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.  
 Stauffer Chemical Co., 380 Madison Ave., N. Y. 17, N. Y.; 636 California St., San Francisco, Calif.  
 Woolfolk Chemical Works, Ltd., Ft. Valley, Ga.

### SUPERPHOSPHATE

American Agricultural Chemical Co., 50 Church St., N. Y. 7, N. Y.  
 Black Leaf Prod. Div., Virginia-Carolina Chem. Corp., Richmond, Va.  
 Central Chemical Corp., Hagerstown, Md.  
 Davison Chemical Co., 20 Hopkins St., Baltimore 3, Md.  
 Farmer Fertilizer Co., Columbus, Ohio  
 Federal Chemical Co., Starks Bldg., Louisville, Ky.  
 International Minerals & Chem. Corp., New York 6, N. Y.  
 Miller Products Co., Portland 1, Ore.  
 Philipp Bros. Chemicals, Inc., 37 Wall St., N. Y. 5, N. Y.  
 Standard Wholesale Phosphate & Acid Works, Inc., Mercantile Trust Bldg., Baltimore, Md.  
 Stauffer Chemical Co., 380 Madison Ave., N. Y. 17, N. Y.; 636 California St., San Francisco, Calif.  
 Summers Fertilizer Co., Inc., Stock Exchange Bldg., Baltimore, Md.  
 Swift & Co., Plant Food Div., Chicago 9, Ill.  
 Tennessee Corp., Atlanta, Ga.

### UREA

E. I. du Pont de Nemours & Co., Wilmington, Del.  
 Nitrogen Div., Allied Chemical & Dye Corp., 40 Rector St., N. Y. 6, N. Y.

## GROWTH REGULATORS

### COLCHICINE

Benson-Maclean, Bridgeton, Ind.

### GROWTH RETARDERS

#### MALEIC HYDRAZIDE

Naugatuck Chemical Div., U. S. Rubber Co., Naugatuck, Conn.

#### NXY (For Berries)

Science Products Co., 1230 E. 63rd St., Chicago 37, Ill.

#### TOMATO HORMONES

Thompson Chemicals Corp., 3028 Locust St., St. Louis 3, Mo.; 3600 Monon St., Los Angeles 27, Calif.

#### TRANSPLANT HORMONES

American Chemical Paint Co., Ambler, Pa.  
 Thompson Chemicals Corp., 3028 Locust St., St. Louis 3, Mo.; 3600 Monon St., Los Angeles 27, Calif.

#### 2,4-D

See WEED KILLERS

#### 2,4,5-T

See WEED KILLERS

## RODENTICIDES

### POISONS

Agicide, Inc., Racine, Wis.  
 American Cyanamid Co., Agri. Chemicals Div., 30 Rockefeller Plaza, N. Y. 20, N. Y.  
 Benson-Maclean, Bridgeton, Ind.  
 California Spray-Chemical Corp., Richmond, Calif.; Elizabeth, N. J.  
 Carbola Chemical Co., Inc., Natural Bridge, N. Y.  
 General Chemical Div., Allied Chem. & Dye Corp., 40 Rector St., N. Y. 6, N. Y.  
 K-R-O Co., Springfield, Ohio  
 Monsanto Chemical Co., St. Louis 4, Mo.  
 John Powell & Co., Inc., One Park Ave., N. Y. 16, N. Y.  
 Prentiss Drug & Chemical Co., 110 William St., N. Y. 38, N. Y.  
 Stauffer Chemical Co., 380 Madison Ave., N. Y. 17, N. Y.; 636 California St., San Francisco, Calif.  
 Walsh Laboratories, Inc., 525 W. 76th St., Chicago 20, Ill.

### REPELLENTS

DEER  
 B. F. Goodrich Chemical Co., 2060 E. 9th St., Cleveland 15, Ohio  
 Harry N. Leckenby, 1634 15th St. W., Seattle 4, Wash.  
 Neochem Products Co., Inc., Neosho, Mo.  
 State College Laboratories, Inc., Box 492, State College, Pa.  
 Tre-Tex Co., Plainfield, Indiana  
 Wildlife Associates, Inc., Box 265, Pittsfield, N. H.

### FLY

Carbide & Carbon Chemicals Co., A Div. of Union Carbide & Carbon Corp., 30 E. 42nd St., N. Y. 17, N. Y.

### RODENT

California Spray-Chemical Corp., Richmond, Calif.; Elizabeth, N. J.  
 Clarion Development Co., Clarion, Pa.  
 B. F. Goodrich Chemical Co., 2060 E. 9th St., Cleveland 15, Ohio  
 Hammond Paint & Chemical Co., Beacon, N. Y.  
 Harry N. Leckenby, 1634 15th St. W., Seattle 4, Wash.  
 Portland Hamstery, Portland, Mich.  
 Stauffer Chemical Co., 380 Madison Ave., N. Y. 17, N. Y.; 636 California St., San Francisco, Calif.  
 Rollin H. Tabor, Mt. Vernon, Ohio  
 Tre-Tex Co., Plainfield, Ind.  
 Walsh Laboratories, Inc., 525 W. 76th St., Chicago 20, Ill.  
 Wisconsin Pharmacal Co., 217 N. Water, Milwaukee 2, Wis.

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# SPRAYS, DUSTS & FERTILIZERS

## SOIL FUMIGANTS

### CALCIUM CYANIDE

American Cyanamid Co., Agri. Chemicals Div., 30 Rockefeller Plaza, N. Y. 20, N. Y.  
Merck & Co., Rahway, N. J.

### CHLOROPICRIN

Larvicide Products, Inc., 117 Liberty St., N. Y. 6, N. Y.

### ETHYLENE DIBROMIDE

Carbide & Carbon Chemicals Co., A Div. of Union Carbide & Carbon Corp., 30 E. 42 St., N. Y. 17, N. Y.  
Dow Chemical Co., Midland, Mich.  
Eaton Chemicals Div., American Potash & Chemical Corp., Los Angeles 23, Calif.  
Geigy Agricultural Chemicals, 89 Barclay St., N. Y. 8, N. Y.  
James Good Co., Philadelphia, Pa.  
Larvicide Products, Inc., 117 Liberty St., N. Y. 6, N. Y.  
Miller Products Co., Portland 1, Ore.  
Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.  
Philip Bros. Chemicals, Inc., 37 Wall St., N. Y. 5, N. Y.

### D-D

Larvicide Products, Inc., 117 Liberty St., N. Y. 6, N. Y.  
Shell Chemical Corp., 50 W. 50th St., N. Y. 20, N. Y.

### METHYL BROMIDE

Dow Chemical Co., Midland, Mich.  
Eaton Chemicals Div., American Potash & Chemical Corp., Los Angeles 23, Calif.  
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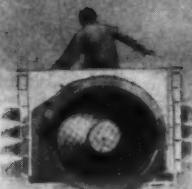
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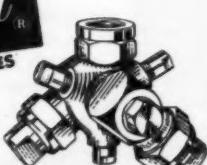
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United States Rubber Co., N. Y. 20, N. Y.

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TEPP & HETP Compounds

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# IRRIGATION & DRAINAGE



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Farm Improvement Co., Denver, Colo.

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W. R. Ames Co., 150 Hooper St., San Francisco 7, Calif.; Tampa, Fla.  
Atlas Supply Div., Jones & Laughlin Supply Co., Muskegon, Okla.  
Champion Corp., Hammond, Ind.  
Chicago Metal Mfg. Co., 37th & So. Rockwell, Chicago 32, Ill.  
Farmland Irrigation Co., Inc., P. O. Box 5485, Portland 17, Ore.  
Food Machinery & Chem. Corp., Florida Division, Lakeland, Fla.  
Hardie Mfg. Co., Hudson, Mich.; Los Angeles 58, Calif.; Portland 9, Ore.  
Irrigation Equip. Co., Inc., Eugene, Ore.  
McDowell Mfg. Co., Millvale Sta., Pittsburgh 9, Pa.  
Michigan Orchard Supply Co., South Haven, Mich.  
Moulton Irrigation Co., Withrow, Minn.  
Race & Race, Inc., Winter Haven, Fla.  
Rainway Irrigation Co., E. 2402 Trent, Spokane, Wash.  
Shur-Rane, Dept. of John Bean Western Div., Food Machy. & Chem. Corp., San Jose, Calif.  
R. M. Wade & Co., 1919 N. W. Thurman, Portland, Ore.



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J. I. Case Co., Racine, Wis.  
Caterpillar Tractor Co., Peoria, Ill.  
Chrysler Corp., Indus. Eng. Div., Detroit, Mich.  
Clinton Machine Co., Maquoketa, Iowa  
Continental Motors Corp., Muskegon, Mich.  
Deere & Co., Moline, Ill.  
Fairbanks, Morse & Co., 600 S. Michigan Ave., Chicago 5, Ill.  
Field Force Mfg. Co., Phoenixville, Pa.  
Ford Motor Co., Dearborn, Mich.  
Frick Company, Waynesboro, Pa.  
Friend Mfg. Co., Gasport, N. Y.  
Gladdien Products Corp., Glendale, Calif.  
GM, Detroit Diesel Div., Detroit, Mich.  
Hardie Mfg. Co., Hudson, Mich.; Los Angeles 58, Calif.; Portland 9, Ore.  
Hercules Motor Corp., Canton, Ohio  
International Harvester Co., 180 N. Michigan Ave., Chicago 1, Ill.  
Kiekhaefer Aeromarine Motors, Fond du Lac, Wis.  
Kohler Co., Kohler, Wis.  
Lauzon Co., New Holstein, Wis.  
Le Roi Co., Milwaukee, Wis.  
Motor Products Co., Grafton, Wis.  
The F. E. Myers & Bro. Co., Ashland, Ohio  
Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.  
Oliver Corp., 400 W. Madison St., Chicago 6, Ill.  
D. W. Onan & Sons, Inc., Minneapolis, Minn.  
United States Motors Corp., Oshkosh, Wis.  
Waukesha Motor Co., Waukesha, Wis.  
Wisconsin Motor Corp., Milwaukee 6, Wis.

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Michigan Orchard Supply Co., South Haven, Mich.  
Nutritional Concentrates, Inc., New Lexington, Ohio; Bakersfield, Calif.

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Mantle & Mantle, Painesville, Ohio

## HOSE, IRRIGATION

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The Gates Rubber Co., Sales Div., Denver 17, Colo.  
R. M. Wade & Co., 1919 N. W. Thurman, Portland 9, Ore.

## HOSE, METAL

W. R. Ames Co., 150 Hooper St., San Francisco, Calif.; Tampa, Fla.  
Champion Corp., Hammond, Ind.  
Chicago Metal Mfg. Co., 37th & Rockwell, Chicago 32, Ill.

## HOSE, POROUS

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White Showers, Inc., 17514 Woodward Ave., Detroit 3, Mich.

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B. F. Klein Co., 815 Anapamu St., Santa Barbara, Calif.  
National Agri. Supply Co., Fort Atkinson, Wis.  
T. W. Prosser Co., 3695 Main St., Riverside, Calif.

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Johns-Manville Corp., 22 E. 40 St., N. Y. 16, N. Y.  
Orangeburg Mfg. Co., Inc., Orangeburg, N. Y.

## PIPE, METAL

Albert Pipe Supply Co., Inc., Brooklyn, N. Y.  
W. R. Ames Co., 150 Hooper St., San Francisco 7, Calif.; Tampa, Fla.  
Atlas Supply Div., Jones & Laughlin Supply Co., Muskegon, Okla.  
Champion Corp., Hammond, Ind.  
Chase Brass & Copper Co., Waterbury, Conn.  
Chicago Metal Mfg. Co., 37th & So. Rockwell, Chicago 32, Ill.  
Frick Company, Waynesboro, Pa.  
Hardie Mfg. Co., Hudson, Mich.; Los Angeles 58, Calif.; Portland 9, Ore.  
Jones & Laughlin Steel Corp., Pittsburgh, Pa.  
Michigan Orchard Supply Co., South Haven, Mich.  
National Tube Co., Pittsburgh 30, Pa.  
Race & Race Inc., Winter Haven, Fla.  
Rainbow Sales Co., Chattanooga, Tenn.  
Republic Steel Corp., Republic Bldg., Cleveland 1, Ohio  
Revere Copper & Brass Inc., 230 Park Ave., N. Y. 17, N. Y.  
Reynolds Metals Co., Louisville, Ky.  
R. M. Wade & Co., 1919 N. W. Thurman, Portland 9, Ore.

## PIPE, PERFORATED

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Consolidated Western Steel Div., P. O. Box 2015, Los Angeles 54, Calif.  
New England Metal Culvert Co., Palmer, Mass.  
Orangeburg Mfg. Co., Inc., Orangeburg, N. Y.  
Race & Race Inc., Winter Haven, Fla.  
R. M. Wade & Co., 1919 N. W. Thurman, Portland 9, Ore.

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Carlton Products Corp., 10225 Meech, Cleveland 5, Ohio  
Manufacturers Corp. of Ohio, Mansfield, Ohio  
R. M. Wade & Co., 1919 N. W. Thurman, Portland 9, Ore.  
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Goulds Pumps,

Hale Fire Pump

Jacuzzi Bros., J

Lobes Pump &

Marlow Pumps

F. E. Myers &

Farma Water

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Indianapolis,

Worthington C

DEEP WELL

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Calif.

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Dempster Mill

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Peerless Pump

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Food Machinery

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Calif.; Portl

Irrigation Equi

Jones & Laugh

Oka.

Lindsay Mfg. C

McDowell Mfg.

Pa.

PI

# IRRIGATION AND DRAINAGE

## PIPE, PORTABLE, METAL

Aluminum Corp. of America, Pittsburgh, Pa.  
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Calif.; Tampa, Fla.  
Champion Corp., Hammond, Ind.  
Chicago Metal Mfg. Co., 37th & So. Rockwell, Chicago 32, Ill.  
Commercial Metals Treating Co., Toledo, Ohio  
Food Machinery & Chemical Corp., Florida Division, Lakeland, Fla.  
Hardie Mfg. Co., Hudson, Mich.; Los Angeles 58,  
Calif.; Portland 9, Ore.  
Irrigation Equip. Co., Inc., Eugene, Ore.  
Jones & Laughlin Steel Corp., Pittsburgh, Pa.  
McDowell Mfg. Co., Millvale Station, Pittsburgh 9,  
Pa.  
Michigan Orchard Supply Co., South Haven, Mich.  
Moulton Irrigation Co., Withrow, Minn.  
Race & Race Inc., Winter Haven, Fla.  
Rainbow Sales Co., Chattanooga, Tenn.  
Railway Irrigation Co., 2402 E. Trent St., Spokane,  
Wash.  
Republic Steel Co., Republic Bldg., Cleveland 1,  
Ohio.  
Reynolds Metals Co., Louisville, Ky.  
Veg-Acre Farms, Cape Cod, Foresdale, Mass.  
R. M. Wade & Co., 1919 N. W. Thurman, Portland  
9, Ore.

## PUMPS

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James Mfg. Co., Mansfield, Ohio  
Byron Jackson Co., P. O. Box 2017, Los Angeles 54,  
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Carver Pump Co., Muscatine, Iowa  
Continental Belton Co., Belton, Tex.  
Dayton Pump & Mfg. Co., Dayton, Ohio  
Decatur Pump Co., Decatur, Ill.  
Deming Co., Salem, Ohio  
Dempster Mill Mfg. Co., Beatrice, Nebr.  
Gorman-Rupp Co., Mansfield, Ohio  
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Hale Fire Pump Co., Conshohocken, Pa.  
Jacuzzi Bros., Inc., Richmond, Calif.  
Lobes Pump & Mch Co., Gasport, N. Y.  
Marine Products Co., 515 Lycaste, Detroit 14, Mich.  
Marlow Pumps, Ridgewood, N. J.  
F. E. Myers & Bro. Co., Ashland, Ohio  
Parma Water Lifter Co., Parma, Idaho  
Peerless Pump Div., Food Mch. & Chem. Corp.,  
Indianapolis, Ind.; Los Angeles 31, Calif.  
Worthington Corp., Harrison, N. J.

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Deming Co., Salem, Ohio  
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Goulds Pumps, Inc., Seneca Falls, N. Y.  
F. E. Myers & Bro. Co., Mansfield, Ohio  
Peerless Pump Div., Food Mch. & Chem. Corp.,  
Indianapolis, Ind.; Los Angeles 31, Calif.  
Worthington Corp., Harrison, N. J.

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Carver Pump Co., Muscatine, Iowa  
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Deming Co., Salem, Ohio  
Gorman-Rupp Co., Mansfield, Ohio  
Jabsco Pump Co., Burbank, Calif.

## RAMS

Blackhawk Mfg. Co., Milwaukee, Wis.  
Deming Co., Salem, Ohio  
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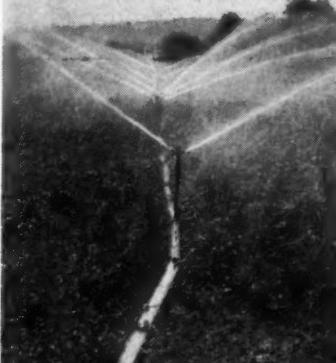
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W. R. Ames Co., 150 Hooper St., San Francisco 7,  
Calif.; Tampa, Fla.  
John Bean Division, Food Machinery & Chemical  
Corp., San Jose, Calif.  
Buckner Mfg. Co., Fresno, Calif.  
Champion Corp., Hammond, Ind.  
Chicago Metals Mfg. Co., 37 & S. Rockwell,  
Chicago 32, Ill.  
Farm Improvement Co., 2045 S. Holly St., Denver,  
Colo.  
Farmland Irrigation Co., Inc., P. O. Box 5685, Port-  
land 17, Ore.  
Food Machinery & Chem. Corp., Florida Div., Lake-  
land, Fla.  
Hardie Mfg. Co., Hudson, Mich.; Los Angeles 58,  
Calif.; Portland 9, Ore.  
Irrigation Equipment Co., Inc., Eugene, Ore.  
Jones & Laughlin Steel Co., Supply Div., Muskogee,  
Okla.  
Lindsay Mfg. Co., Lindsay, Calif.  
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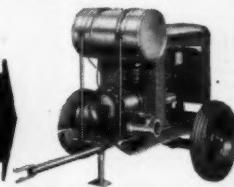
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Towner Mfg. Co., Santa Ana, Calif.  
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### DISC

International Harvester Co., 180 N. Michigan Ave., Chicago 1, Ill.  
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Lift Tools Inc., Eau Claire, Mich.

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Osmundson Spade Mfg. Co., Perry, Iowa

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Earthmaster Farm Equipment, 10777 Van Owen St., Burbank, Calif.  
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Field Force Mfg. Co., Inc., Phoenixville, Pa.  
R. Herschel Mfg. Co., Peoria, Ill.  
Le Roy Plow Co., Le Roy, N. Y.  
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John Blue Co., Inc., Huntsville, Ala.

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McAdam & Sons, Barker, N. Y.

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Smalley Mfg. Co., Manitowoc, Wis.

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Burch Plow Works, Inc., Evansville, Ind.  
J. I. Case Co., Racine, Wis.  
Cockshutt Farm Equip. Inc., Bellevue, Ohio  
Deere & Co., Moline, Ill.  
Farm Tools, Inc., Mansfield, Ohio  
Harry Ferguson, Inc., Racine, Wis.  
J. A. Freeman & Son, 2034 N. W. 27th Ave., Portland 10, Oreg.  
Freeman Mfg. Co., Inc., 5610 W. 36th St., Minneapolis, Minn.  
Fuller Mfg. Co., Centerville, Iowa  
Hotchkiss Steel Products Co., Bradford, Ill.  
International Harvester Co., 180 N. Michigan Ave., Chicago 1, Ill.

Kewanee Mfg. & Conveyor Co., Kewanee, Ill.  
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Massey-Harris Co., Racine, Wis.  
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Ave., C.  
Kosch Mfg.  
Falls, Idaho  
Massey-Harris  
Minneapolis  
apoli 1,  
New Idea  
Oliver Co.  
Tractor and  
Birmingham

**SICKLE**  
Aircapitol  
James Curran  
Rochester  
Eclipse Law  
George Tracy  
Sullivan,  
Jari Products  
apoli 8,  
Kruger Mfg.  
Iowa  
J. A. Kuker  
Omaha 1  
Moto-Mower  
National M.  
4, Minn.

**Chickens**  
and  
• S.  
• T.  
• B.  
• P.  
Our eggs  
Design  
Chick

## HARROWS—Continued

### SPRING TOOTH

American Mfg. Co., St. Joseph, Mich.  
American Tractor Corp., Churubusco, Ind.  
Babcock Mfg. Co., Leonardsville, N. Y.  
J. I. Case Co., Racine, Wis.  
Cobey Corp., Galion, Ohio  
Cockshutt Farm Equip., Inc., Bellevue, Ohio  
Deere & Co., Moline, Ill.  
Farm Tools, Inc., Mansfield, Ohio  
Harry Ferguson, Inc., Racine, Wis.  
International Harvester Co., 180 No. Michigan Ave., Chicago 1, Ill.  
Lift Tools, Inc., Eau Claire, Mich.  
John R. Kovar Mfg. Co., Inc., Anoka, Minn.  
McAdam & Sons, Barker, N. Y.  
Massey-Harris Co., Racine, Wis.  
Minneapolis-Moline Co., Minneapolis 1, Minn.  
Newgren Co., Butler, Pa.  
Oliver Corp., 400 W. Madison St., Chicago 6, Ill.  
Towner Mfg. Co., Santa Ana, Calif.  
Tractor and Implement Div., Ford Motor Co., Birmingham, Mich.

### ROTARY

Burch Plow Works, Inc., Evansville, Ind.  
J. I. Case Co., Racine, Wis.  
Champion Mfg. Co., Newton, Iowa  
Cobey Corp., Galion, Ohio  
Deere & Co., Moline, Ill.  
Dunham Co., Berea, Ohio  
Farm-Rite Implement Co., 4227 N. Knox Ave., Chicago, Ill.  
Farm Tools, Inc., Mansfield, Ohio  
Harry Ferguson, Inc., Racine, Wis.  
International Harvester Co., 180 No. Michigan Ave., Chicago 1, Ill.  
Minneapolis-Moline Co., Minneapolis 1, Minn.  
Oliver Corp., 400 W. Madison St., Chicago 6, Ill.  
L. H. Schultz Mfg. Co., Rochelle, Ill.  
Tractor and Implement Div., Ford Motor Co., Birmingham, Mich.

### MOWERS

**TRACTOR—POWER**  
Allis-Chalmers Mfg. Co., Tractor Div., Milwaukee 1, Wis.  
J. I. Case Co., Racine, Wis.  
Deere & Co., Moline, Ill.  
Detroit Harvester Co., 2550 Guardian Bldg., Detroit 26, Mich.  
Harry Ferguson, Inc., Racine, Wis.  
International Harvester Co., 180 No. Michigan Ave., Chicago 1, Ill.  
Kosch Mfg. Co., Columbus, Nebr.  
Krengel Machine Co., Inc., P. O. Box 865, Twin Falls, Idaho  
Massey-Harris Co., Racine, Wis.  
Minneapolis-Moline Co., P. O. Box 1050, Minneapolis 1, Minn.  
New Idea Farm Equip. Co., Coldwater, Ohio  
Oliver Corp., 400 W. Madison St., Chicago 6, Ill.  
Tractor and Implement Div., Ford Motor Co., Birmingham, Mich.

### SICKLE BAR—WALKING TYPE

Aircapitol Manufacturers, Inc., Wichita, Kans.  
James Cunningham, Son & Co., 13 Canal St., Rochester 8, N. Y.  
Eclipse Lawn Mower Co., Prophetstown, Ill.  
George Tractor Div., Community Industries Assn., Sullivan, Ill.  
Jari Products, Inc., 2938 Pillsbury Ave., Minneapolis 8, Minn.  
Kruger Mfg. Co., 208 S. 2nd Ave., Marshalltown, Iowa  
J. A. Kuker Mfg. Co., Box 25, Ames Ave. Station, Omaha 11, Neb.  
Mota-Mower Co., Richmond, Ind.  
National Mower Co., 839 Cromwell Ave., St. Paul 4, Minn.

## POST HOLE DIGGERS (POWER-TRACTOR MOUNTED)

American Tractor Corp., Churubusco, Ind.  
Champion Mfg. Co., Newton, Iowa  
Choremaster Div., Weber Engineered Products, Inc., 812 Evans St., Cincinnati, Ohio  
Continental Belton Co., Belton, Tex.  
Danuser Machine Co., Fulton, Mo.  
Farm-Aid Equipment Co., 1141 E. Washington St., Indianapolis, Ind.  
Newgren Co., Butler, Pa.  
Ottawa Warner Corp., Inc., 2609 Walnut St., Kansas City, Mo.  
Roper Mfg. Co., Zanesville, Ohio  
L. H. Schultz Mfg. Co., Rochelle, Ill.  
Standard Steel Works, 16th & Howell St., No. Kansas City, Mo.  
Sunflower Industries, Inc., Olath, Kans.  
Tractor and Implement Div., Ford Motor Co., Birmingham, Mich.  
Twin Draulic, Inc., Laurens, Iowa  
Von Ruden Mfg. Co., 12 Front St., Claremont, Minn.  
WinPower Mfg. Co., Newton, Iowa

## PULVERIZERS, PACKERS, MULCHERS (CORRUGATED)

Brillion Iron Works, Inc., Brillion, Wis.  
Burch Plow Works, Inc., Evansville, Ind.  
J. I. Case Co., Racine, Wis.  
Cobey Corp., Galion, Ohio  
Dunham Co., Berea, Ohio  
Farm Tools, Inc., Mansfield, Ohio  
Greenwich Mfg. Inc., Greenwich, N. Y.  
Hutchinson Foundry & Steel Co., Hutchinson, Kans.  
Minneapolis-Moline Co., P. O. Box 1050, Minneapolis, Minn.  
Newgren Co., Butler, Pa.  
Oliver Corp., 400 W. Madison St., Chicago 6, Ill.  
T. G. Schmeiser Co., Fresno, Calif.  
Soil Tools, Inc., Petersburg, Ill.  
Sterling Foundry Co., Sterling, Ill.  
Thomas Welding & Mfg. Co., 3274 S. 99 Hiway, Fresno, Calif.  
Western Land Roller Co., Hastings, Nebr.



Here's an excellent idea...a Wisconsin-powered garden tractor with generator attachment for operating an electric chain saw and other types of electric service.



Rotary tillage is a job that calls for dependable "Lugging Power" . . . as supplied by this single cylinder Wisconsin Air-Cooled Engine.



Power planting is another truck garden chore that is handled most easily and efficiently with Wisconsin Engine Power.

**Here's  
"LUGGING-  
POWER"  
that  
Doesn't  
Stall  
in the  
"SHOCK  
LOAD"  
Pinches**



4-cycle single cylinder models ABN and AKN, 3 to 6 hp.



Model AEN single cylinder, 4.5 to 8.2 hp.



Models TE and TF 2-cylinder, 7 to 15 hp.

## WISCONSIN HEAVY-DUTY *Air-Cooled* ENGINES

More than anything else, mechanized equipment calls for "Lugging Power"—the ability of the engine to keep on going under variable heavy-duty load conditions. When the going gets tough and the engine speed slows down, your Wisconsin Engine hangs on and keeps the job moving without stalling. Wisconsin Air-Cooled Engines can be depended upon to deliver the *most power service* with the least amount of servicing and the fewest "stop-and-go" delays. This is the practical result of heavy-duty engineering design and construction and such features as: tapered roller bearings at BOTH ends of the crankshaft on ALL models; high tension rotary type OUTSIDE Magneto with Impulse Coupling for quick starts in any weather; positive lubrication and dependable AIR-COOLING at all operating temperatures. For the greatest satisfaction from your equipment, specify "Wisconsin Air-Cooled Engine Power" . . . available in a full range of sizes from 3 to 36 hp. Write for free copy of 64-page catalog featuring more than 260 service applications.



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A 8007-224 B&W

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- Self-propelled Carrot Harvester
- Trailer-type Carrot Harvester
- Blower-type Onion Harvester
- Powered Rotary Tiller

Our equipment is used and field tested on our own farms  
Designed, Manufactured and Guaranteed by  
**Chickering Vegetable Equipment Co., Inc.**  
Belding, Michigan

# TRACTORS AND TILLAGE EQUIPMENT

## SPREADERS

### LIME, FERTILIZERS (WHEEL)

Bloom Mfg. Co., Nashua, Iowa  
 Century Engineering Corp., Cedar Rapids, Iowa  
 Champion Mfg. Co., Newton, Iowa  
 Deere & Co., Moline, Ill.  
 Ezell Plow Div., Avco Distributing Corp., 10 S. La  
 Scille St., Chicago 3, Ill.  
 Ferguson Mfg. Co., Inc., Suffolk, Va.  
 Foley & Lavish Engineering Co., 1235 S. Campbell,  
 Chicago 8, Ill.  
 E. S. Ganderup Co., Owatonna, Minn.  
 Hampshire Implement Co., Hatfield, Mass.  
 International Harvester Co., 180 N. Michigan Ave.,  
 Chicago 1, Ill.  
 Masters Planter Co., Benton Harbor, Mich.  
 Minneapolis-Moline Co., P. O. Box 1050, Minne-  
 apolis 1, Minn.  
 New Idea Farm Equip. Co., Coldwater, Ohio  
 Oliver Corp., 400 W. Madison St., Chicago 6, Ill.  
 Ontario Drill Co., East Rochester, N. Y.  
 Ottawa Warner Corp., Inc., 2609 Walnut, Kansas  
 City, Mo.  
 Pender Mfg. & Supply Co., Raleigh, N. C.  
 Spread-All Inc., Bellevue, Ohio  
 Tractor and Implement Div., Ford Motor Co.,  
 Birmingham, Mich.  
 R. M. Wade & Co., 1919 N. W. Thurman, Portland,  
 Ore.  
 Winpower Mfg. Co., Newton, Iowa

### LIME, FERTILIZERS (BROADCAST)

Century Eng. Corp., Farm Equip. Div., Cedar  
 Rapids, Iowa  
 Columbus Steel Fabricating Corp., Columbus,  
 Neb.  
 Cyclone Seeder Co., Urbana 3, Ind.  
 Diamond Mfg. Co., 4340 Ringgold Rd., Chat-  
 tanooga, Tenn.  
 Farmer Feeder Co., Inc., Cambridge City, Ind.  
 Skibbe Mfg. Co., Sodus, Mich.  
 Wikomi Mfg. Co., Litchfield, Ill.

## FERTILIZER INJECTORS (ANHYDROUS AMMONIA)

John Blue Co., Inc., Huntsville, Ala.  
 Clark Mfg. Co., Atherton, Mo.  
 Dempster Mill Mfg. Co., Beatrice, Nebr.  
 Gotcher Eng. & Mfg. Co., Clarksdale, Miss.  
 KBH Corp., Clarksville, Miss.  
 Leland Mfg. Co., Leland, Miss.

## MANURE

J. I. Case Co., Racine, Wis.  
 Cobey Corp., Gallon, Ohio  
 Cockshutt Farm Equip. Inc., Bellevue, Ohio  
 Deere & Co., Moline, Ill.  
 Farm Tools, Inc., Mansfield, Ohio  
 Harry Ferguson, Inc., Racine, Wis.  
 Fleury-Bissell Div., Elora Industries, Ltd., Elora,  
 Ont., Canada  
 International Harvester Co., 180 N. Michigan Ave.,  
 Chicago 1, Ill.  
 Jerry Ryan Equip. Co., Blair, Nebr.  
 Massey-Harris Co., Racine, Wis.; Batavia, N. Y.  
 Minneapolis-Moline Co., P. O. Box 1050, Minne-  
 apolis 1, Minn.  
 New Holland Machine Co., New Holland, Pa.  
 New Idea Farm Equipment Co., Coldwater, Ohio  
 Oliver Corp., 400 W. Madison St., Chicago 6, Ill.  
 Tractor and Implement Div., Ford Motor Co.,  
 Birmingham, Mich.

## TILLERS

### ROTARY GARDEN

Ariens Co., Brillion, Wis.  
 Bolens Products Div., Food Mach. & Chemical Co.,  
 Port Washington, Wis.  
 Chermaster Div., Weber Engineered Products, Inc.,  
 812 Evans St., Cincinnati 4, Ohio  
 Cultifiller Co., New Brunswick, N. J.  
 Eshelman Co., 119 Light St., Baltimore 2, Md.  
 Gravely Tractor Inc., Dunbar, W. Va.  
 Howard Rotovator Company, Inc., Arlington  
 Heights, Ill.  
 Merry Mfg. Co., Edmunds, Wash.  
 Roto Hoe & Sprayer Co., Novelty, Ohio  
 Simplicity Mfg. Co., Port Washington, Wis.  
 Quick Mfg. Inc., 3240 E. Main St., Springfield,  
 Ohio

### ROTARY SELF-PROPELLED

Ariens Co., Brillion, Wis.  
 Bolens Products Div., Food Mach. & Chemical Co.,  
 Port Washington, Wis.  
 Frazer Equipment Co., Auburn, Ind.  
 Howard Rotovator Co., Inc., Troy, N. Y.  
 Seaman Motors, Inc., 305 N. 25th St., Milwaukee,  
 Wis.  
 Windolph Tractor Co., 828 S. W. 21st Ave., Port-  
 land 5, Ore.

### ROTARY TRACTOR POWER TAKE-OFF

Ariens Co., Brillion, Wis.  
 Bolens Products Div., Food Mach. & Chemical Co.,  
 Port Washington, Wis.  
 Chickering Vegetable Equip. Co., Belding, Mich.  
 Frazer Farm Equipment Corp., Auburn, Ind.  
 Howard Rotovator Co., Inc., Arlington Heights, Ill.  
 Seaman Motors, Inc., 305 N. 25th St., Milwaukee,  
 Wis.

## TRACTION DEVICES

Arps Corp., New Holstein, Wis.  
 Bombardier Snowmobile Ltd., Valcourt, Que.,  
 Canada  
 Henneus Engineering Co., Marion, Ohio  
 V. L. McCormack Co., 9525 Berwick, St. Louis, Mo.  
 National Machine Co., 227 6th Ave. E., Des Moines,  
 Ia.

## TRACTOR CHAINS

American Chain Div., American Chain & Cable  
 Co., Inc., York, Pa.  
 Columbus-McKinnon Chain Co., Tonawanda, N. Y.  
 Horner Tractor Sales, Geneva, Ohio

## TRACTORS

### WHEEL

Allis-Chalmers Mfg. Co., Milwaukee 1, Wis.  
 Brockway Tractor Co., RFD #2, Chagrin Falls, O.  
 J. I. Case Co., Racine, Wis.  
 Caterpillar Tractor Co., Peoria, Ill.  
 Deere & Co., Moline, Ill.  
 Friday Tractor Co., Hartford, Mich.  
 Harry Ferguson, Inc., Racine, Wis.  
 International Harvester Co., 180 N. Michigan Ave.,  
 Chicago 1, Ill.  
 Love Tractor Inc., Eau Claire, Mich.  
 Massey-Harris Co., Racine, Wis.  
 Minneapolis-Moline Co., Minneapolis 1, Minn.  
 Oliver Corp., 400 W. Madison St., Chicago 6, Ill.  
 Tractor and Implement Div., Ford Motor Co., Bir-  
 mingham, Mich.

## CRAWLER

Allis-Chalmers Mfg. Co., Milwaukee 1, Wis.  
 American Tractor Corp., Churubusco, Ind.  
 Caterpillar Tractor Co., Peoria, Ill.  
 Deere & Co., Moline, Ill.  
 International Harvester Co., 180 N. Michigan Ave.,  
 Chicago 1, Ill.  
 Mead Specialties Co., 4141 N. Knox, Chicago, Ill.  
 Oliver Corp., 400 W. Madison St., Chicago 6, Ill.  
 Windolph Tractor Co., 828 S. 21st Ave., Portland  
 5, Ore.

## TRACTORS, DIESEL

Allis-Chalmers Mfg. Co., Milwaukee 1, Wis.  
 J. I. Case Co., Racine, Wis.  
 Caterpillar Tractor Co., Peoria, Ill.  
 Deere & Co., Moline, Ill.  
 International Harvester Co., 180 N. Michigan, Chi-  
 cago 1, Ill.  
 Massey-Harris Co., Racine, Wis.  
 Oliver Corp., 400 W. Madison St., Chicago 6, Ill.  
 R. H. Sheppard Co., Hanover, Pa.

## TRACTORS—GARDEN

S. L. Allen & Co., Inc., 5th & Glenwood Aves.,  
 Philadelphia 40, Pa.  
 American Farm Mch. Co., 1030 33rd Ave. S. E.,  
 Minneapolis 14, Minn.

Beaver Tractor Co., Stratford, Conn.  
 Bolens Products Div., Food Machinery & Chemical  
 Corp., Port Washington, Wis.

Bready Tractor & Implement Co., Solon, Ohio  
 Choremaster Div., Lodge & Shipley Co., Cincinnati,  
 Ohio

James Cunningham Son & Co., 13 Canal St., Roch-  
 ester 8, N. Y.

Engineering Products Co., Waukesha, Wis.

Eshelman Co., 119 Light St., Baltimore 2, Md.

Garden-All Tractor, Inc., Liberty, Ind.

Gravely Tractor Inc., Dunbar, W. Va.

Great Lakes Tractor Co., Rock Creek, Ohio

Midland Co., S. Milwaukee, Wis.

Ottawa Mfg. Co., Ottawa, Kans.

Page Garden Tractor Co., Milwaukee, Wis.

Quick Mfg. Inc., Springfield, Ohio

Red-E Tractor Co., Richfield, Wis.

Roths Industries, Inc., Alma, Mich.

Shaw Mfg. Co., Galesburg, Kans.

Simplicity Mfg. Co., Port Washington, Wis.

Speedex Garden Tractor Co., Ravenna, Ohio

Tiger Tractor Co., Keyser, W. Va.

Universal Mfg. Co., Indianapolis, Ind.

Walsh Tractor Co., Minneapolis, Minn.

Windolph Tractor Co., 828 S. 21st Ave., Portland 5,  
 Oreg.

### RIDING

S. L. Allen & Co., Inc., 5th & Glenwood Aves.,  
 Philadelphia 40, Pa.

Ariens Co., Brillion, Wis.

Beaver Tractor Co., Stratford, Conn.

Bolens Products Div., Food Machinery & Chemical  
 Corp., Port Washington, Wis.

Engineering Products Co., Waukesha, Wis.

Garden-All Tractor, Inc., Liberty, Ind.

Gravely Tractor Inc., Dunbar, W. Va.

Mead Specialties Co., 4141 N. Knox, Chicago, Ill.

National Farm Equip. Co., Inc., 142 Greene St.,  
 N. Y. 12, N. Y.

Ottawa Mfg. Co., Ottawa, Kans.

Pioneer Mfg. Co., 1910 S. 81st St., Milwaukee, Wis.

Power King Tractor Co., 9246 W. Appleton Ave.,  
 Milwaukee, Wis.

Red-E Tractor Co., Richfield, Wis.

Roths Industries, Inc., Alma, Mich.

Shaw Mfg. Co., Galesburg, Kans.

Speedex Garden Tractor Co., Ravenna, Ohio

Tiger Tractor Co., Keyser, W. Va.

Windolph Tractor Co., 828 S. 21st, Portland, Ore.

## WEEDERS

Farm Implement Specialty Sales Co., 22516 Hoover  
 Rd., Van Dyke, Mich.

## PLOWS

Allis-Chalmers Mfg. Co., Tractor Div., Milwaukee 1,  
 Wis.

American Tractor Corp., Churubusco, Ind.

J. I. Case Co., Racine, Wis.

Cockshutt Farm Equip. Inc., Bellevue, Ohio

Deere & Co., Moline, Ill.

Farm Tools, Inc., Mansfield, Ohio

Harry Ferguson, Inc., Racine, Wis.

International Harvester Co., 180 N. Michigan Ave.,  
 Chicago 1, Ill.

Madison Plow Co., Boscobel, Wis.

Massey-Harris Co., Racine, Wis.

Minneapolis-Moline Co., Minneapolis 1, Minn.

Oliver Corp., 400 W. Madison St., Chicago 6, Ill.

Towner Mfg. Co., Santa Ana, Calif.

Tractor & Implement Div., Ford Motor Co., 2500 E.  
 Maple Road, Birmingham, Mich.

Allis-Chalmers Mfg. Co., Tractor Div., Milwaukee 1,  
 Wis.

American Tractor Corp., Churubusco, Ind.

J. I. Case Co., Racine, Wis.

Cockshutt Farm Equip. Inc., Bellevue, Ohio

Deere & Co., Moline, Ill.

Farm Tools, Inc., Mansfield, Ohio

Harry Ferguson, Inc., Racine, Wis.

International Harvester Co., 180 N. Michigan Ave.,  
 Chicago 1, Ill.

Madison Plow Co., Boscobel, Wis.

Massey-Harris Co., Racine, Wis.

Minneapolis-Moline Co., Minneapolis 1, Minn.

Oliver Corp., 400 W. Madison St., Chicago 6, Ill.

Towner Mfg. Co., Santa Ana, Calif.

Tractor & Implement Div., Ford Motor Co., 2500 E.  
 Maple Road, Birmingham, Mich.



### More Power for TOUGH JOBS!

Gravely does jobs other tractors won't . . . because the 5-HP Gravely has the extra power that makes tough jobs easy.

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Let us show you the advantages of the Gravely's extra power . . . all-gear drive . . . power reverse . . . your choice of 21 tools to do every mowing, gardening or upkeep job . . . faster, better, easier!

Write for FREE Booklet  
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# PLANTING EQUIPMENT

## CORN PLANTERS

Allis-Chalmers Mfg. Co., Tractor Div., Milwaukee, Wis.  
John Blue Co., Inc., Huntsville, Alabama  
J. I. Case Co., Racine, Wis.  
Ferguson Mfg. Co., Suffolk, Va.  
International Harvester Co., 180 N. Michigan Ave., Chicago 1, Ill.  
Massey-Harris Co., Racine, Wis.  
Minneapolis-Moline Co., Minneapolis 1, Minn.  
Oliver Corp., 400 W. Madison, Chicago 6, Ill.

## CORN PLANTERS—HAND

Acmeline Mfg. Co., Traverse City, Mich.  
American Planter Co., Burr Oak, Mich.

## DRILLS AND PLANTERS

S. L. Allen & Co., Inc., 5th & Glenwood, Philadelphia 40, Pa.  
Allis-Chalmers Mfg. Co., Tractor Div., Milwaukee 1, Wis.  
Campbell-Hausfeld Co., Harrison, Ohio  
J. I. Case Co., Racine, Wis.  
Ferguson Mfg. Co., Inc., Suffolk, Va.  
Hallett Mfg. Co., 1601 W. Florence Blvd., Inglewood, Calif.  
International Harvester Co., 180 N. Michigan Ave., Chicago 1, Ill.  
Massey-Harris Co., Racine, Wis.  
Minneapolis-Moline Co., Minneapolis 1, Minn.  
Oliver Corp., 400 W. Madison St., Chicago 6, Ill.  
John Powell Seeder, 923 S. Armstrong St., Kokomo, Ind.  
Roths Industries, Inc., Alma, Mich.  
Southern Plow Co., Columbus, Ga.  
Venturi Mfg. Co., Oxnard, Calif.

## FERTILIZER ATTACHMENTS

Deere & Co., Moline, Ill.  
Earthmaster Farm Equipment, 10777 Van Owen St., Burbank, Calif.  
Eze Flow Div., Avco Distributing Corp., 10 S. La Salle St., Chicago, Ill.  
Farmcraft Mfg. Co., Inc., Sheridan Rd., RFD 12, Fort Wayne, Ind.  
Fleischer-Schmid Corp., Columbus, Nebr.  
Holland Transplanter Co., Holland, Mich.  
Madison Plow Co., Boscombe, Wis.  
Minneapolis-Moline Co., P. O. Box 1050, Minneapolis, Minn.  
Oliver Corp., 400 W. Madison St., Chicago 6, Ill.  
Ottawa Warner Corp., Inc., 2609 Walnut, Kansas City, Mo.  
L. H. Schultz Mfg. Co., Rochelle, Ill.  
Tractor and Implement Div., Ford Motor Co., Birmingham, Mich.  
Webb Mfg. Co., Holtville, Calif.

## FERTILIZER INJECTORS (ANHYDROUS AMMONIA)

John Blue Co., Inc., Huntsville, Ala.  
Clark Mfg. Co., Atherton, Mo.  
Dempster Mill Mfg. Co., Beatrice, Nebr.  
Gotche Engineering & Mfg. Co., Clarksdale, Miss.  
K&B Corp., Clarksville, Miss.  
Leland Mfg. Co., Leland, Miss.  
Pollard Mfg. Co., 2210 Foshay Tower, Minneapolis, Minn.  
Safeway Mfg. Co., Decatur, Ill.  
Taylor Machine Works, Louisville, Miss.

## FURROWS

Allis-Chalmers Mfg. Co., Tractor Div., Milwaukee 1, Wis.  
Deere & Co., Moline, Ill.  
Earthmaster Farm Equipment, 10777 Van Owen St., Burbank, Calif.  
Evans Mfg. Co., Anaheim, Calif.  
Intercontinental Mfg. Co., Inc., Garland, Tex.  
International Harvester Co., 180 N. Michigan Ave., Chicago 1, Ill.  
Towner Mfg. Co., Santa Ana, Calif.

## ONION SET PLANTERS

S. & H. Set Onion Planter Co., Pleasant Valley, Iowa.

## ONION SET TOPPERS

Bolens Products Div., Food Mchy. & Chemical Corp., Port Washington, Wis.  
Top-All Machine Works, South Beloit, Ill.

## POTATO CUTTERS

Diltz & Wetzel Co., Ithaca, Mich.  
Heberlein Mfg. Co., Ault, Colo.  
Oliver Corp., 400 W. Madison St., Chicago 6, Ill.  
Singer Mfg. Co., Inc., Smithville, Ohio  
Troyer Mfg. Co., Smithville, Ohio  
Albert E. Trexler, Trexler, Pa.; P. O. Lenhartsville, Pa.

## POTATO PLANTERS (ONE AND TWO-ROW)

Deere & Co., Moline, Ill.  
International Harvester Co., 180 N. Michigan Ave., Chicago 1, Ill.  
Oliver Corp., 400 W. Madison St., Chicago 6, Ill.

## TRANSPLANTERS (CABBAGE, CELERY & TOMATO)

Deere & Co., Moline, Ill.  
Eico Products Co., West Allis, Wis.  
D. R. Ellis Mfg. Co., Verona, Wis.  
General Foundry & Machine Co., Sanford, N. C.  
Griffin Tractor Co., Bradford, Fla.  
N. G. Hershey, Manheim, Pa.  
Holland Transplanter Co., Holland, Mich.  
Jackson Mfg. Co., Lebanon, Tenn.  
Madison Plow Co., Boscombe, Wis.  
Mechanical Transplanter Co., 1150 S. Central Ave., Holland, Mich.  
Paul S. Neal & Son, Lebanon, Tenn.  
Oliver Corp., A. B. Farquhar Div., 400 W. Madison St., Chicago 6, Ill.  
Powell Mfg. Co., Inc., Wilson, N. C.  
Tennessee Implement Co., Inc., Athens, Tenn.

## TRANSPLANTERS—HAND

Lynchburg Planter Mfg. Co., Lynchburg, Va.

## VITA-BANDS

Bird & Son Inc., East Walpole, Mass.

## WOOD FLATS

The Kenova Box Co., Kenova, W. Va.

# SEEDS AND PLANTS

## SEEDS

Associated Seed Growers, Inc., 205 Church St., New Haven 2, Conn.  
Burgess Seed & Plant Co., Galesburg, Mich.  
W. Atlee Burpee Co., Burpee Bldg., Philadelphia 32, Pa.  
Corneli Seed Co.—Keystone seeds sold through Keystone dealers—101 Chouteau Ave., St. Louis 2, Mo.  
Farrier Plant Co., Omaha, Tex.  
Ferry Morse Seed Co., Mountain View, Calif.  
Germain Seed & Plant Co., 747 Terminal St., Los Angeles 1, Calif.  
Gill Bros. Seed Co., N. E. 99 & Halsey, Portland 16, Ore.  
Hopgood Seed Farms, Inc., P. O. Box 547, Sacramento, Calif.  
Herbst Bros., 678 Broadway, N. Y. 12, N. Y.  
Kellogg Seed Co., Ventura, Calif.  
Letherman's, Canton 2, Ohio.  
W. K. McAdams Seed & Plant Co., Nashville, Ark.  
J. Chas. McCullough Seed Co., P. O. Box 146, Cincinnati 1, Ohio.  
Michael-Leonard Co., Sioux City 6, Iowa  
Northrup, King & Co., 1500 Jackson St., N. E., Minneapolis 13, Minn.  
Ritter Seed Co., Bridgeport, N. J.  
Lawrence Robinson & Sons, Modesto, Calif.  
United States Seed Co., Inc., 417 N. 3rd St., St. Louis, Mo.  
Vaughan's Seed Co., 601 W. Jackson Blvd., Chicago 6, Ill.  
F. H. Woodruff & Sons, Inc., Milford, Conn.

## SEEDS, CERTIFIED POTATO

Canadian Dept. of Trade and Commerce, Ottawa, Ont., Canada  
Clark Seed Farms, Richford, N. Y.  
Maine Development Assn., Augusta, Maine  
Minnesota State Dept. of Agr., Seed Potato Certification, St. Paul, Minn.  
Nebraska Certified Potato Growers, Alliance, Nebr.  
N. Y. Cooperative Seed Potato Assn., Inc., Georgetown, N. Y.  
North Dakota State Seed Dept., College Station, Fargo, N. Dak.  
South Dakota Potato Growers Assn., Watertown, S. Dak.

## SEEDS, PELETTED

Filcoat Div., Germain Seed & Plant Co., 687 S. Clarence St., Los Angeles 23, Calif.

## VEGETABLE PLANT GROWERS

K. W. Alger, Crystal City, Tex.  
Bullock's Plant Farm, White Springs, Fla.  
Butt's Plant Farms, Thorndale, Tex.  
Condon Bros., Seedsman, Rockford, Ill.  
W. G. Farrier Plant Co., Omaha, Tex.  
Field's Nursery, Sewell, N. J.  
C. G. Fouke Plant Farms, Amite, La.  
P. D. Fulwood, Tifton, Ga.  
Wm. C. Geraty & Co., Yonges Island, S. C.  
W. Grossmann & Son, Petersburgh, Va.  
Irrigated Plant Farms, Thorndale, Tex.  
Keller Seed Store, Shawnee, Okla.  
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Frank Patterson, Hawesville, Ky.  
Geo. R. Pedrick & Sons, Pedricktown, N. J.  
Piedmont Plant Co., Albany, Ga.  
Paul F. Rachelle, Morristown, N. J.  
Fred H. Schutter, Pleasant Valley, Iowa  
Service Plant Co., Omega, Ga.  
J. W. Shreve & Son, Andalusia, Ala.  
Tidewater Plant Co., Franklin, Va.  
Van Antwerp Seed Co., Mobile, Ala.  
Vaughan's Seed Co., 601 W. Jackson Blvd., Chicago 6, Ill.  
Vickers Plant Farms, Hattiesburg, Miss.  
Vickery Plant Co., Ennis, Tex.  
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Eiler Equipment Co., 635-639 Sexton Bldg., Minneapolis, Minn.  
Mitchell Corp., 121 Mathews Ave., Hagerstown, Md.  
J. A. Reese Co., 105 Lincoln St., Johnstown, Pa.

## BAGGING MACHINES

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Ernst Bros., Inc., Bakersfield, Calif.  
Hampshire Implement Co., Hatfield, Mass.  
King-Wyse, Inc., Archbold, Ohio

## BASKETS, FRUIT AND VEGETABLE

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The Marietta Fruit Pkg. & Lumber Co., Marietta, Ohio  
Producers Exchange Inc., 20-34 So. Huron St., Toledo 4, Ohio  
The Washburn Co., Worcester, Mass.

## BASKETS, STEEL

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Franklin Equipment Co., Monticello, Ia.  
WinPower Mfg. Co., Newton, Ia.

## DRAPER CHAINS

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Noffsinger Mfg. Co., Greeley, Colo.

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Lauridsen Mfg. Co., 514 N. 11th Ave., Greeley, Colo.

Consult Alphabetical Index  
on pages 14 and 15

## POTATO BRUSHERS AND CLEANERS

John Bean Div., Food Mchy. & Chemical Corp., Lansing, Mich.  
King-Wyse Co., Inc., Archbold, Ohio  
Lockwood Graders, Inc., Gering, Nebr.  
Noffsinger Mfg. Co., Greeley, Colo.  
The Trescott Co., Inc., Fairport, N. Y.  
Troyer Mfg. Co., Smithville, Ohio

## POTATO DIGGERS (ELEVATOR & PLOW)

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Champion 4714 Sheffield Ave., Hammond, Ind.  
Deers & Co., Moline, Ill.  
Dowden, Inc., Prairie City, Iowa  
International Harvester Co., 180 N. Michigan, Chicago 1, Ill.  
Agricultural Implement Div., Lincoln Steel Corp., Lincoln, Nebr.  
Massey-Harris Co., Racine, Wis. and Batavia, N. Y.  
Minneapolis-Moline Co., Minneapolis 1, Minn.  
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Singer Mfg. Co., Smithville, O.  
Troyer Mfg. Co., Smithville, Ohio

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Boggs Mfg. Corp., Atlanta, N. Y. and Detroit Lakes, Minn.  
Cockshutt Farm Equip. Ltd., Brantford, Ont., Canada  
King-Wyse, Inc., Archbold, Ohio  
Lockwood Graders, Inc., Gering, Nebr.  
Paramount Mfg. Co., Stockton, Calif.  
Trescott Co., Inc., Fairport, N. Y.  
Troyer Mfg. Co., Smithville, Ohio

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John Bean Div., Food Mchy. & Chemical Corp., Lansing, Mich.  
Belville Mfg. Co., Shelley, Idaho  
R. G. Bruner Mfg. Co., Ferndale, Mich.  
Dahlman Mfg. Co., Grandy, Minn.  
Lockwood Graders, Inc., Gering, Nebr.  
Noffsinger Mfg. Co., Greeley, Colo.  
Arno Schmeichel & Son, Inc., Thiensville, Wis.

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Buckeye Incubator Co., Springfield, Ohio  
King-Wyse, Inc., Archbold, Ohio  
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Paramount Mfg. Co., Stockton, Calif.

## POTATO WAXERS

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John Bean Div., Food Mchy. & Chem. Corp., Lansing 4, Mich.  
Lobe Pump & Machinery Co., Gasport, N. Y.

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Ickes-Braun Greenhouse Mfg. Co., 2320 Wabansia Ave., Chicago 47, Ill.  
Albert J. Lauer Co., R. R. 11, St. Paul 7, Minn.  
Lord & Burnham, Irvington, N. Y.  
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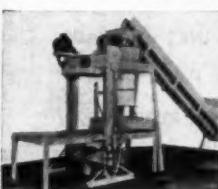
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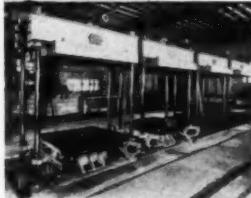
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Chrysler Corp., Dodge Truck Div., 341 Massachusetts Ave., Detroit 31, Mich.  
Dodge Div., Chrysler Corp., 7900 Joseph Campau Ave., Detroit 11, Mich.  
Ford Motor Co., Dearborn, Mich.  
GMC Truck & Coach Div., General Motors Corp., Pontiac 11, Mich.  
International Harvester Co., 180 N. Michigan Ave., Chicago 1, Ill.  
Mack Trucks Inc., 350 5th Ave., N. Y. 1, N. Y.  
Studebaker Corp., South Bend, Ind.  
White Motor Co., 842 E. 79th, Cleveland 1, Ohio  
Willys-Overland Motors, Inc., Wolcott Blvd., Toledo 1, Ohio

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Carbide & Carbon Chemicals Co., A Div. of Union Carbide & Carbon Corp., 15 E. 41st, N. Y. 17, N. Y.  
Gould-National Batteries, Inc., 1st Nat'l Bk. Bldg., St. Paul 1, Minn.  
National Carbon Co., Inc., 30 E. 42nd St., N. Y. 17, N. Y.

## AXLES—Two Speed

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Auto-Lite Battery Corp., Toledo, Ohio  
Electric Storage Battery Co., 42 S. 15 St., Philadelphia 2, Pa.  
Firestone Tire & Rubber Co., Akron, Ohio  
Gould-National Batteries, Inc., 1st Nat'l Bk. Bldg., St. Paul 1, Minn.  
Prest-O-Lite Battery Co., Inc., Toledo 1, Ohio  
United Motors Service, Div. of General Motors Corp., General Motors Bldg., Detroit 2, Mich.  
United States Rubber Co., 1230 Ave. of Americas, N. Y. 20, N. Y.  
Willard Storage Battery Co., 246 E. 131st St., Cleveland, Ohio

## BEARINGS

Hyatt Bearings Div., General Motors Corp., Harrison, N. J.  
New Departure Mfg. Co., Bristol, Conn.  
SKF Industries, Inc., Front St. & Erie Ave., Philadelphia 32, Pa.  
Timken Roller Bearing Co., Canton, Ohio

## CHAINS

American Chain Div., American Chain & Cable Co., Inc., York, Pa.  
Columbus-McKinnon Chain Co., Tonawanda, N. Y.  
Firestone Tire & Rubber Co., Akron, Ohio  
Horner Tractor Sales, Geneva, Ohio

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Hastings Mfg. Co., Hastings, Mich.  
Perfect Circle Corp., Hagerstown, Ind.

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A. C. Spark Plug Div., General Motors Corp., Flint 2, Mich.  
Champion Spark Plug Co., Toledo, Ohio  
Edison-Spitdorf Corp., W. Orange, N. J.  
Electric Auto-Lite Co., Toledo, Ohio  
Firestone Tire & Rubber Co., Akron, Ohio  
Fisk-Gillette Tires, 1230 Ave. of Americas, N. Y. 20, N. Y.

## RADIATOR CLEANERS

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Firestone Tire & Rubber Co., Akron, Ohio  
Hygienic Products Co., Canton, Ohio  
Oakite Products, Inc., 19 Rector St., N. Y. 6, N. Y.

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General Tire & Rubber Co., Akron, Ohio  
B. F. Goodrich Co., Akron, Ohio  
Goodyear Tire & Rubber Co., Inc., Akron, Ohio  
Kelly-Springfield Tire Co., Cumberland, Md.  
Mansfield Tire & Rubber Co., Mansfield, Ohio  
Pennsylvania Rubber Co., Jeannette, Pa.  
Republic Rubber Div., Lee Rubber & Tire Corp., Youngstown, Ohio  
Seiberling Rubber Co., Akron, Ohio  
United States Rubber Co., 1230 Ave. of Americas, N. Y. 20, N. Y.

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ADAPTERS  
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Goodyear Tire & Rubber Co., Inc., Akron, Ohio  
The F. E. Myers & Bro. Co., Ashland, Ohio

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Mullins Mfg. Co., Salem, Ohio

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 Cincinnati Cordage & Paper Co., E. Wayne & Scott St., Lima, Ohio  
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 Producer's Exchange, Inc., Toledo 4, Ohio  
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 Union Bag & Paper Corp., Woolworth Bldg., N. Y. 7, N. Y.

### BAGS, TRANSPARENT

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 Chase Bag Co., 307 W. Jackson, Chicago 6, Ill.  
 Cincinnati Cordage & Paper Co., E. Wayne & Scott St., Lima, Ohio  
 Continental Can Co., Shellmar-Bethel Div., Mt. Vernon, Ohio  
 Denton Corp., Oakland, Calif.  
 Dobeckman Co., 3301 Monroe Ave., Cleveland 1, Ohio  
 Fruit & Produce Packing Co., 700 W. Morris, Indianapolis, Ind.  
 Fulton Bag & Cotton Mills, 170 Blvd. S.E., Atlanta 1, Ga.  
 Goodyear Tire & Rubber Co., Akron, Ohio  
 Howard Plastics, Inc., Council Bluffs, Iowa  
 Mehl Mfg. Co., 2057 Reading, Cincinnati 2, O.  
 Milprint Inc., 4200 N. Holton St., Milwaukee, Wis.  
 Newark Paraffine & Parc. Paper Co., Newark 8, N. J.  
 Paramount Paper Products Co., Inc., Philadelphia 30, Pa.  
 Producer's Exchange, Inc., Toledo 4, Ohio  
 Rice, Trew & Rice Co., Biglerville, Pa.  
 The Viking Corp., Plastics Div., Terre Haute, Ind.  
 Western Products Co., 201 N. Wells, Chicago, Ill.

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 Container Corp. of America, 38 S Dearborn, Chicago 3, Ill.  
 F. D. Croce & Co., Inc., 386 Washington, N. Y., N. Y.  
 Fibreboard Products Inc., 1789 Montgomery St., San Francisco, Calif.  
 Fruit & Produce Packing Co., 700 W. Morris, Indianapolis 6, Ind.  
 Gaylord Container Corp., 111 N. 4th, St. Louis 2, Mo.  
 Hawkins Container Co., 3044 W. 106th St., Cleveland, Ohio  
 The Hinde & Dauch Paper Co., Sandusky, Ohio  
 Kieckhefer Container Co., Delair, N. J.  
 Ohio Boxboard Co., Rittman, Ohio  
 Producer's Exchange, Inc., Toledo 4, Ohio  
 Rice, Trew & Rice Co., Biglerville, Pa.  
 Fred C. Strype, 20 Vesey St., N. Y., N. Y.  
 Sutherland Paper Co., Kalamazoo, Mich.  
 Wabash Fibre Box Co., Terre Haute, Ind.

### BASKETS, WOOD

American Veneer Package Assoc., Orlando, Fla.  
 Barden & Robeson Corp., Lockport, N. Y.  
 Berryville Basket Co., Inc., Berryville, Va.  
 Frank L. Deane & Son Inc., Sodus, Mich.  
 Evansville Basket & Crate Co., Evansville, Ind.  
 The Marietta Fruit Pkg. & Lumber Co., Marietta, Ohio  
 Marvil Package Co., Laurel, Del.  
 Metropolis Basket Co., Inc., Metropolis, Ill.  
 Paducah Box & Basket Co., Paducah, Ky.  
 Pierce-Williams Co., South Haven, Mich.  
 Producer's Exchange, Inc., Toledo 4, Ohio  
 H. L. Rapp & Son, Carpentersville, N. J.  
 Rio Grande Importing Co., Brownsville, Texas  
 Ripley Box & Basket Co., Inc., Ripley, Tenn.  
 Riverside Mfg. Co., Murfreesboro, N. C.  
 Sodus Basket Co., Sodus, N. Y.  
 Webster Basket Co., Webster, N. Y.

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Alford Cartons, Ridgefield Park, N. J.  
 Ashland Corrugated Box Co., Ashland, Ohio  
 Atlas-Boxmakers, Inc., 5025 W. 65th St., Chicago, Ill.  
 Baltimore Paper Box Co., Union & Milner, Baltimore, Md.  
 Bird & Son, Inc., E. Walpole, Mass.  
 Container Corp. of America, 38 S. Dearborn St., Chicago, Ill.  
 Corrugated Container Co., Columbus, Ohio  
 Evansville Container Co., Evansville, Ind.  
 Fibreboard Products Inc., 1789 Montgomery St., San Francisco, Calif.  
 Fibreboard Products (Eastern Div.) Inc., Baltimore, Md.  
 Fort Wayne Corrugated Paper Co., Ft. Wayne, Ind.  
 Friday Pack Containers Div., Pacific Pulp Molding Co., 2035 S. W. 58th St., Portland, Ore.

Fruit & Produce Packing Co., 700 W. Morris, Indianapolis, Ind.  
 Robert Gair Co., Inc., 155 E. 44 St., N. Y. 17, N. Y.  
 Gaylord Container Corp., 111 N. 4th, St. Louis 2, Mo.  
 Hawkins Container Co., 3044 W. 106th St., Cleveland, Ohio  
 Hinde & Dauch Paper Co., Sandusky, Ohio  
 Hoerner Corp., Keokuk, Iowa  
 Iowa Fiber Box Co., Keokuk, Iowa  
 Ohio Boxboard Co., Rittman, Ohio  
 Paige Co., 114 E. 32 St., N. Y., N. Y.  
 Paisley Products, 1770 S. Canalport, Chicago 16, Ill.  
 Pioneer Paper Stock Co., 436 W. Ohio, Chicago, Ill.  
 Producer's Exchange, Inc., Toledo 4, Ohio  
 Rice, Trew & Rice Co., Biglerville, Pa.  
 Edwin J. Schoettle Co., 533 N. 11th St., Philadelphia 23, Pa.  
 Simplex Paper Corp., Adrian, Mich.  
 Fred C. Strype, 20 Vesey St., N. Y., N. Y.  
 Sutherland Paper Co., Kalamazoo, Mich.  
 Traub Box Co., 1230 E. 55th St., Cleveland, Ohio  
 Union Bag & Paper Corp., Woolworth Bldg., N. Y. 17, N. Y.  
 Wabash Fibre Box Co., Terre Haute, Ind.

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Adkins Wirebound Box Co., Inc., Salisbury, Md.  
 Continental Box Co., Inc., Houston 1, Texas  
 General Box Co., 1825 Miner, Des Plaines, Ill.  
 Indianapolis Wire Bound Box Co., 1300 Beecher, Indianapolis 7, Ind.  
 Marinette & Menominee Box Co., Marinette, Wis.  
 Package Research Laboratory, Rockaway, N. J.  
 Wirebound Box Mfg. Assn., 30 N. La Salle St., Chicago 2, Ill.  
 Wisconsin Box Co., Wausau, Wis.

### BOXES AND CRATES, WOOD

Aetna Bottle & Container Co., 21st & Detroit, St. Louis, Mo.  
 American Veneer Package Assoc., Orlando, Fla.  
 Atlas Boxmakers, Inc., 5025 W. 65th St., Chicago, Ill.  
 John Bacon Co., Gasport, N. Y.  
 Barden & Robeson Corp., Lockport, N. Y.  
 Berryville Basket Co., Inc., Berryville, Va.  
 H. A. Du Bois & Sons, Inc., Cobden, Ill.  
 Evansville Container Co., Evansville, Ind.  
 General Box Co., 1825 Miner, Des Plaines, Ill.  
 Green Co., Inc., 10 E. 40th St., N. Y., N. Y.  
 Kenova Box Co., Kenova, W. Va.  
 Marinette & Menominee Box Co., Marinette, Wis.  
 Mell Lumber Co., 403 Spruce St., Philadelphia, Pa.  
 Miller Mfg. Co., Richmond, Va.  
 National Wooden Box Assn., 402 Barr Bldg., Washington, D. C.  
 New Albany Box & Basket Co., New Albany, Ind.  
 New England Box Co., 100 E. 42 St., N. Y., N. Y.  
 Package Research Laboratory, Rockaway, N. J.  
 Producer's Exchange, Inc., Toledo 4, Ohio  
 Rathbone, Hair & Ridgway Co., 1440 W. 21 Pl., Chicago 8, Ill.  
 Smeed Box Co., 1878 Scranton Rd., Cleveland, Ohio  
 Sodus Basket Co., Sodus, N. Y.  
 Spruce Veneer Package Corp., Poulsbo, Wash.  
 Traub Box Co., 1230 E. 55th St., Cleveland, Ohio

### LABELS AND TAGS

American Colortype Co., Clifton, N. J.  
 Bartlett Label Co., Kalamazoo, Mich.  
 Brandau-Craig-Dickenson Co., Nashville, Tenn.  
 Dennison Mfg. Co., Framingham, Mass.  
 Fibreboard Products, Inc., 1789 Montgomery St., San Francisco, Calif.  
 J. L. May Co., 121 W. 19th St., N. Y. 11, N. Y.  
 Milprint Inc., 4200 N. Holton St., Milwaukee, Wis.  
 A. B. Morse Co., St. Joseph, Mich.  
 Reynolds Metal Co., 2500 S. 3rd St., Louisville, Ky.  
 Schmidt-Lithograph Co., Second and Bryant Ave., San Francisco 7, Calif.  
 Stetcher-Traung Lithograph Corp., 600 Battery, San Francisco, Calif.

### LINERS

Berryville Basket Co., Inc., Berryville, Va.  
 Central States Paper & Bag Co. Inc., 5221 Natural Bridge Ave., St. Louis 15, Mo.  
 Frank L. Deane & Son, Inc., Sodus, Mich.  
 Evansville Container Co., Evansville, Ind.  
 Fruit & Produce Packing Co., 700 W. Morris, Indianapolis, Ind.  
 Kalamazoo Vegetable Parch. Co., Parchment, Mich.  
 New Albany Box & Basket Co., New Albany, Ind.  
 Newark Paraffine & Parchment Paper Co., Newark 5, N. J.  
 Rice, Trew & Rice Co., Biglerville, Pa.  
 Fred C. Strype, 20 Vesey St., N. Y., N. Y.  
 Tyson Orchard Service, Flora Dale, Pa.  
 Webster Basket Co., Webster, N. Y.

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 Rivet-O Mfg. Co., Orange, Mass.

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 Salt Lake Stamp Co., Salt Lake City, Utah  
 Stampit Co., P. O. Box 1664, Memphis, Tenn.  
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Friday Pack Containers Div., Pacific Pulp Molding Co., 2035 S. W. 58th St., Portland, Oregon.  
 Fruit & Produce Packaging Co., 700 W. Morris, Indianapolis 6, Ind.  
 Keyes Fibre Sales Corp., 420 Lexington Ave., N. Y. N. Y.  
 Traver Corp., 358 W. Ontario St., Chicago, Ill.

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 Reynolds Mfg.  
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JULY, 1954

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Allen Billmyre Div., Lamson Corp., Lamson St., Syracuse, N. Y.  
American Blower Corp., 8111 Tieiman St., Detroit 32, Mich.  
Buffalo Forge Co., Buffalo, N. Y.  
Carrier Corp., 300 So. Geddes, Syracuse, N. Y.  
Clarge Fan Co., Kalamazoo, Mich.  
De Vilbiss Co., Toledo 1, Ohio  
Frick Company, Waynesboro, Pa.  
General Electric Co., Bloomfield, N. J.  
Ilg Electric Ventilating Co., Chicago, Ill.  
Master Fan Corp., Los Angeles, Calif.  
Nash-Kelvinator Corp., 14250 Plymouth Rd., Detroit 32, Mich.  
Niagara Blower Co., 405 Lexington, N. Y. 17, N. Y.  
Northern Blower Co., 6500 Barberon, Cleveland 2, Ohio  
Reynolds Mfg. Co., Comstock Park, Mich.  
Robinson Fan Corp., Gilroy, Calif.  
Western Blower Co., 1800 Airport Way, Seattle, Wash.  
Westinghouse Elec. Corp., Pittsburgh 30, Pa.  
Worthington Pump & Mchly. Corp., Harrison, N. J.

### BUILDING PAPERS

Angier Corp., Framingham, Mass.  
Barrett Div., Allied Chemical & Dye Corp., 40 Rector St., N. Y., N. Y.  
Bird & Son, Inc., E. Walpole, Mass.  
The Philip Carey Mfg. Co., Cincinnati 15, Ohio  
Celotex Corp., 120 So. LaSalle, Chicago, Ill.  
The Ruberoid Co., 500 Fifth Ave., N. Y. 36, N. Y.  
Sisalkraft Co., 205 W. Wacker Dr., Chicago, Ill.

### CONVEYORS

#### GRAVITY—ROLLER AND WHEEL, POWER CONVEYORS—

See PACKING HOUSE EQUIPMENT

### DOORS

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Harris Ice Machine Works, 61 S. E. Yamhill, Portland, Oreg.  
Jamison Cold Storage Door Co., Hagerstown, Md.  
Nat'l Refrigerator Co., 827 Koehn, St. Louis, Mo.  
Truscon Steel Co., Youngstown, Ohio  
York Corp., York, Pa.

### INSULATION

Armstrong Cork Co., Lancaster, Pa.  
Barrett Div., Allied Chem. & Dye Corp., 40 Rector St., N. Y., N. Y.  
Bird & Son, E. Walpole, Mass.  
The Philip Carey Mfg. Co., Lockland, Cincinnati 15, Ohio  
The Celotex Corp., 120 S. LaSalle, Chicago 3, Ill.  
Certain-feed Products Corp., Ardmore, Pa.  
Chamberlin Co. of America, 1254 LaBrosse, Detroit 32, Mich.  
Cork Insulation Co., Inc., E. 44th St., N. Y., N. Y.  
Craine, Inc., Norwich, N. Y.  
Homasote Co., Trenton, N. J.  
Insulite Div. of Minn. & Ontario Paper Co., Minneapolis 2, Minn.  
Johns-Manville Corp., 22 E. 40th St., N. Y. 16, N. Y.  
Kalamazoo Tank & Silo Co., Kalamazoo, Mich.  
Kimberly-Clark Corp., Neenah, Wis.  
Masonite Corp., 111 W. Washington, Chicago 2, Ill.  
Monsanto Chem. Co., 1700 S. 2nd, St. Louis 4, Mo.  
Mundet Cork Co., North Bergen, N. J.  
National Cork Company, Englewood, N. J.  
Owens Corning Fiberglass Corp., Toledo 1, Ohio  
Pacific Lumber Co., 100 Bush St., San Francisco 4, Calif.  
Reflective Corporation, N. Y. 17, N. Y.  
Reynolds Metal Co., Louisville 1, Ky.  
Ruberoid Co., 500 Fifth Ave., N. Y. 36, N. Y.  
Servicised Products Corp., 6053 W. 65th St., Chicago 38, Ill.  
Sisalkraft Co., 205 W. Wacker Dr., Chicago 6, Ill.  
United Cork Companies, W. Kearny, N. J.  
United States Gypsum Co., 300 W. Adams St., Chicago 6, Ill.  
Whittaker, Clark & Daniels, Inc., 260 W. Broadway, N. Y. 13, N. Y.  
Wood Conversion Co., 1st National Bank Bldg., St. Paul, Minn.  
Zonolite Co., 135 S. LaSalle St., Chicago 3, Ill.

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Col-Flake Corp., 2446 S. Ashland, Chicago 8, Ill.  
Coolerator Co., Duluth, Minn.  
Sherer-Gillette Co., Marshall, Mich.  
Nat'l. Assn. of Ice Industries, Washington 6, D. C.

### REFRIGERATION MACHINERY

Baker Refrigerator Corp., South Windham, Maine  
Brunner Mfg. Co., Utica, N. Y.  
Carrier Corp., 300 So. Geddes, Syracuse, N. Y.  
Curtis Mfg. Co., 1905 Kienlen St., St. Louis 20, Mo.  
Diecel Div. General Machine & Mfg. Co., Berwick, Pa.  
Frick Company, Waynesboro, Pa.  
Frigidaire Div., G. M. Corp., Dayton 1, Ohio  
General Electric Co., Bridgeport, Conn.  
Harris Ice Machine Works, 61 S. E. Yamhill St., Portland, Ore.  
Howe Ice Machine Co., 2825 W. Montrose Ave., Chicago, Ill.  
International Harvester Co., 180 N. Michigan Ave., Chicago 1, Ill.  
Kelvinator Div., Nash-Kelvinator Corp., 14250 Plymouth Rd., Detroit, Mich.  
Niagara Blower Co., 405 Lexington, N. Y., N. Y.  
Norge Div., Borg-Warner Corp., Merchandise Mart, Chicago, Ill.  
Servel, Inc., Evansville, Ind.  
Victor Products Corp., Hagerstown, Md.  
Westinghouse Electric & Mfg. Co., E. Springfield, Mass.  
Worthington Pump & Mchly. Corp., Harrison, N. J.  
Yates-American Machine Co., General Refrigeration Div., Beloit, Wis.  
York Corp., York, Pa.

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Craine, Inc., Norwich, N. Y.  
Ilg Electric Ventilating Co., 2873 N. Pulaski, Chicago 41, Ill.  
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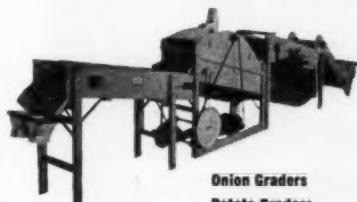
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# PACKING HOUSE EQUIPMENT

## CONVEYORS

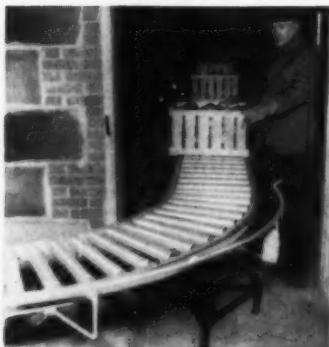
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Arrow Products, 417 Front St., Grand Rapids, Mich.  
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Durand Co., Woodbury, Ga.  
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Lamson Corp., Lamson St., Syracuse I, N. Y.  
Link-Belt Co., 307 N. Michigan Ave., Chicago I, Ill.  
Mathews Conveyor Co., Ellwood City, Pa.  
Metzgar Co., 412 Douglas N. W., Grand Rapids 4, Mich.  
Oliver Corporation, A. B. Farquhar Division, York, Pa.  
Rapids-Standard Co., Inc., 194 Trowbridge St., N. W., Grand Rapids 2, Mich.  
Standard Conveyor Co., N. St. Paul, Minn.  
Tew Mfg. Corp., Fairport, N. Y.  
Trescott Co., Inc., Fairport, N. Y.  
Troyer Mfg. Co., Smithville, Ohio

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Mathews Conveyors have been popular equipment with fruit and vegetable growers for many years. Gravity roller and wheel conveyors, live roller conveyors, belt conveyors and spiral chutes are working for growers all over the United States and Canada.



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F. P. Pease Co., Rochester, N. Y.  
Rapids-Standard Co., Inc., 194 Trowbridge St., N. W., Grand Rapids 2, Mich.  
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Food Machinery & Chemical Corp., Packing Equipment Div., Riverside, Calif.

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Rice, Trew & Rice Co., Biglerville, Pa.  
Tyson Orchard Service, Flora Dale, Pa.  
Webster Basket Co., Webster, N. Y.

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Producer's Exchange Inc., 20 S. Huron St., Toledo 4, Ohio  
Toledo Scale Co., Telegraph Road, Toledo 1, Ohio

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Lewis-Shepard Co., Watertown, Mass.  
Lift Trucks, Inc., 2425 Spring Grove Ave., Cincinnati 14, Ohio  
Mercury Mfg. Co., 4044 So. Halsted, Chicago 9, Ill.  
Michigan Orchard Supply Co., South Haven, Mich.  
Service Caster & Truck Corp., Albion, Mich.  
Townmotor Corp., 1226 E. 152nd, Cleveland 10, Ohio  
Transfer Truck Co., 2477 N. W. 23rd, Portland 10, Oregon  
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45% urea nitrogen in  
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